761

Tabulæ Rudolphinæ,

OR THE

UDOLPHINE TABLES,

Supputated to the Meridian of

Uraniburge,

FIRST,

y JOHN KEPLER,

From the Obſervations of the *Tres* Noble

TICHO BRAHE,

fterwards Digeſted into a moſt Accurate, and Eaſie Compendium,

By the Famous

OHANNES BAPTISTA MORINUS,

octor of Phyſick, and Mathematical Profeſſor to the *French* King, and

Printed for him at *Paris*,
Anno Dom. 1650.

LONDON,
Printed in the Year, 1675.

Epochæ seu Radices.

EPOCHÆ.	Solis Ab Eq. S. G. M. S.	Apogæi ☊ S. G. M. S.	Primæ ♈ S. G. M. S.
Christi.	9. 8. 49. 57.	2. 8. 20. 44.	0. 4. 57. 0.

Annorum post CHRISTUM.

100	9. 9. 35. 17	2. 10. 3. 27	0. 6. 22. 0
200	9. 10. 20. 37	2. 11. 46. 10	0. 7. 47. 0
300	9. 11. 5. 58	2. 13. 28. 53	0. 9. 12. 0
400	9. 11. 51. 18	2. 15. 11. 35	0. 10. 37. 0
500	9. 12. 36. 39	2. 16. 54. 18	0. 12. 2. 0
600	9. 13. 21. 59	2. 18. 37. 1	0. 13. 27. 0
700	9. 14. 7. 19	2. 20. 19. 44	0. 14. 52. 0
800	9. 14. 52. 40	2. 22. 2. 26	0. 16. 17. 0
900	9. 15. 38. 0	2. 23. 45. 9	0. 17. 42. 0
1000	9. 16. 23. 21	2. 25. 27. 52	0. 19. 7. 0
1100	9. 17. 8. 41	2. 27. 10. 35	0. 20. 32. 0
1200	9. 17. 54. 1	2. 28. 53. 17	0. 21. 57. 0
1300	9. 18. 39. 22	3. 0. 36. 0	0. 23. 22. 0
1400	9. 19. 24. 42	3. 2. 18. 43	0. 24. 47. 0
1500	9. 20. 10. 3	3. 4. 1. 26	0. 26. 12. 0
1600	9. 20. 55. 23	3. 5. 44. 8	0. 27. 37. 0
1160	9. 11. 4. 0	3. 5. 44. 6	0. 27. 37. 0
1700	9. 11. 49. 20	3. 7. 26. 49	0. 29. 2. 0

Numerus dierum cujuſque menſis.

Menſes completi anni ſimplicis.	Solis Ab Æq. Si. G. M. S.	Ap. ☊ M. S.	Fixar. M. S.	
Januarius.	1. 0. 33. 18	0. 5	0. 5	31
Februarius.	1. 28. 9. 11	0. 10	0. 9	28
Martius.	2. 28. 42. 30	0. 15	0. 3	31
Aprilis.	3. 28. 16. 39	0. 20	0. 17	30
Majus.	4. 28. 49. 58	0. 25	0. 21	31
Junius.	5. 28. 24. 8	0. 30	0. 25	30
Julius.	6. 28. 57. 26	0. 36	0. 30	31
Auguſtus.	7. 29. 30. 44	0. 41	0. 34	31
September.	8. 29. 4. 54	0. 46	0. 38	30
October.	9. 29. 38. 12	0. 51	0. 43	31
November.	10. 29. 12. 22	0. 56	0. 47	30
December.	11. 29. 45. 40	1. 2	0. 51	31

Anni expandi.

Anni.	Solis ab Æq.	Apogæi ☉	Fixarum.
	S. G. M. S.	S. G. M. S.	S. G. M. S
1	11. 29. 45. 40	0. 0. 1. 2	0. 0. 0.
2	11. 29. 31. 20	0. 0. 2. 4	0. 0. 1.
3	11. 29. 17. 0	0. 0. 3. 5	0. 0. 2.
B 4	0. 0. 1. 49	0. 0. 4. 7	0. 0. 3.
5	11. 29. 47. 29	0. 0. 5. 8	0. 0. 4.
6	11. 29. 33. 9	0. 0. 6. 10	0. 0. 5.
7	11. 29. 18. 49	0. 0. 7. 12	0. 0. 5.
B 8	0. 0. 3. 38	0. 0. 8. 13	0. 0. 6.
9	11. 29. 49. 18	0. 0. 9. 15	0. 0. 7.
10	11. 29. 34. 58	0. 0. 10. 16	0. 0. 8
11	11. 29. 30. 38	0. 0. 11. 18	0. 0. 9.
B 12	0. 0. 5. 26	0. 0. 12. 20	0. 0. 10
13	11. 29. 51. 7	0. 0. 13. 21	0. 0. 11.
14	11. 29. 36. 47	0. 0. 14. 23	0. 0. 11.
15	11. 29. 22. 27	0. 0. 15. 25	0. 0. 12.
B 16	0. 0. 7. 15	0. 0. 16. 26	0. 0. 13.
17	11. 29. 52. 55	0. 0. 17. 28	0. 0. 14.
18	11. 29. 38. 36	0. 0. 18. 29	0. 0. 15.
19	11. 29. 24. 16	0. 0. 19. 31	0. 0. 16.
B 20	0. 0. 9. 4	0. 0. 20. 33	0. 0. 17.
B 40	0. 0. 18. 8	0. 0. 41. 5	0. 0. 34.
B 60	0. 0. 27. 12	0. 1. 1. 38	0 0. 51.
B 80	0. 0. 36. 16	0. 1. 22. 10	0. 1. 8.
B 110	0. 0. 45. 20	0. 1. 42. 43	0. 1. 25.
200	0. 1. 30. 41	0. 3. 25. 25	0. 2. 50.
300	0. 2. 16. 1	0 5. 8. 8	0. 4. 15.
400	0. 3. 1. 22	0. 6. 50. 51	0. 5. 40.
500	0. 3. 46. 42	0. 8. 33. 44	0. 7. 5.
1000	0. 7. 33. 24	0. 17. 7. 7	0. 14. 1
2000	0. 15. 6. 48	1. 4. 14. 15	0. 28. 2

Solis ab Æquinoctio.

Dies	In diebus. S. G. M. S.	Hor. & Min. G. M. S.		Minutis. M. S.
1	0. 0. 59. 8	0. 2. 28.	32	1. 19
2	0. 1. 58.16	0. 4. 56	33	1. 21
3	0. 2. 57.25	0. 7. 24	34	1. 24
4	0. 3. 56.33	0. 9. 51	35	1. 26
5	0. 4. 55.42	0. 12. 19	36	1. 29
6	0. 5 54.50	0. 14. 47	37	1. 31
7	0. 6. 53.58	0. 17. 15	38	1. 34
8	0. 7. 53. 7	0. 19. 43	39	1. 36
9	0. 8. 52.15	0. 22. 11	40	1. 39
10	0. 9. 51.23	0. 24. 38	41	1. 41
11	0. 10. 50.32	0. 27. 6	42	1. 44
12	0. 11. 49.40	0. 29. 34	43	1. 46
13	0. 12. 48 48	0. 32. 2	44	1. 48
14	0. 13. 47.57	0. 34. 20	45	1. 51
15	0. 14. 47. 5	0. 36. 57	46	1. 53
16	0. 15. 46.13	0. 39. 26	47	1. 55
17	0. 16. 45.22	0. 41. 53	48	1. 58
18	0. 17. 44.30	0. 44. 21	49	2. 1
19	0. 18. 43.38	0. 46. 49	50	2. 3
20	0. 19. 42.47	0. 49. 17	51	2. 6
21	0. 20. 41. 55	0. 51. 45	52	2. 8
22	0. 21. 41. 3	0. 54. 13	53	2. 11
23	0. 22. 40.12	0. 56. 40	54	2. 13
24	0. 23. 39.20	0. 59. 8	55	2. 16
25	0. 24. 38. 28	1. 1. 36	56	2. 18
26	0. 25. 37. 37	1. 4. 4	57	2. 20
27	0. 26. 36. 45	1. 6. 32	58	2. 23
28	0. 27. 35. 53	1. 9. 0	59	2. 25
29	0. 28. 35. 2	1. 11. 28.	60	2. 28
30	0. 29. 34. 10	1. 13. 55		
31	1. 0. 33. 18	1. 16. 23		

Subtrahe.

Gr.	0. Gr.M.S	Log.diff	1. Gr.M.S	Log.diff	Gr.
0	0. 0. 0	400775	1. 0.41	400677	30
1	0. 2. 7	400775	1. 2.31	400668	29
2	0. 4.14	400775	1. 4.18	400659	28
3	0. 6.21	400775	1. 6. 7	400655	27
4	0. 8.26	400775	1. 7.54	400647	26
5	0.10.33	400771	1. 9.43	400638	25
6	0.12.38	400771	1.11.23	400634	24
7	0 14 43	400771	1.13. 5	400625	23
8	0.16.50	400766	1.14.47	400617	22
9	0.18.57	400766	1.16.29	400608	21
10	0.21. 2	400762	1.18. 9	400599	20
11	0.23. 8	400762	1.19.49	400591	19
12	0.25.12	400758	1.21.24	400582	18
13	0.27.17	400753	1.23. 0	400574	17
14	0.29.31	400751	1.24 35	400565	16
15	0.31.25	400749	1.26. 7	400557	15
16	0.33.38	400745	1.27.37	400548	14
17	0.35.26	400740	1.29. 6	400535	13
18	0.37. 5	400736	1.30.34	400527	12
19	0.39 29	400732	1.32. 1	400518	11
20	0 41.30	400728	1.33.25	400509	10
21	0.43.28	400723	1.34.50	400497	9
22	0.45.27	400719	1.36.11	400488	8
23	0.47.18	400715	1.37.32	400475	7
24	0.49.19	400711	1.38.59	400467	6
25	0.51.15	400702	1.40. 3	400454	5
26	0.53.10	400698	1.41.24	400445	4
27	0.55. 4	400694	1.42.34	400432	3
28	0.57 1	400685	1.43.45	400419	2
29	0.58.46	400682	1.44.54	400411	1
30	1. 0.41	434677	1.46. 0	400398	0
	11.		10.		

Adde.

Subtrahe.

Gr.	2. Gr. M. S	Log. dist	3. Gr. M. S	Log. dist	Gr.
0	1.46. 0	400398	2. 3.45	400013	30
1	1.47. 5	400389	2. 3.46	400000	29
2	1.48. 8	400376	2. 3.44	399987	28
3	1..49 9	400363	2. 3.43	399974	27
4	1.50. 9	400350	2. 3.38	399961	26
5	1.51. 6	400342	2. 3.27	399943	25
6	1.52. 1	400329	2. 3.19	399930	24
7	1.52.55	400316	2. 3. 6	399917	23
8	1.53.46	400303	2. 2.54	399904	22
9	2.54.44	400290	2. 2.37	399891	21
10	1.55.26	400277	2. 2.17	399874	20
11	1.56. 8	400264	2. 1.59	392865	19
12	1.56.51	400252	2. 1.36	399852	18
13	1.57.33	400238	2. 1. 9	399835	17
14	1.58.13	400225	2. 0.41	399822	16
15	1.58.50	400212	2. 0.11	399808	15
16	1.59.25	400199	1.59.41	399795	14
17	1.59.57	400186	1.59. 6	399782	13
18	2. 0.28	400173	1.58.29	399769	12
19	2. 0.56	400160	1.57.50	399756	11
20	2. 1.21	400147	1.57. 9	399743	10
21	2. 1.45	400134	1.56.27	399730	9
22	2. 2. 9	400121	1.55.42	399717	8
23	2. 2.29	400108	1.54.55	399704	7
24	2. 2.48	400095	1.54. 5	399695	6
25	2. 3. 2	400078	1.53.12	399682	5
26	2. 3.15	400065	1.52.19	399669	4
27	2. 3.26	400052	1.51.23	398656	3
28	2. 3.35	400039	1.50.24	399642	2
29	2. 3.41	400026	1.49.23	399629	1
30	2. 3.45	400013	1.48.23	399616	0
	9.		8.		

Adde.

Subtrahe.

Gr.	4. Gr. M. S	Log. diff	5. Gr. M. S	Log. diff	Gr.
0	1.48.22	399616	1.3. 4	399321	30
1	1.47.19	399607	1.1. 8	399315	29
2	1.46.13	399594	0.59.13	399308	28
3	1.45. 5	399585	0.57.17	399299	27
4	1.43.55	399573	0.55.20	399295	26
5	1.42.43	399559	0.53.20	399290	25
6	1.41.27	399550	0.51.19	399282	24
7	1.40.12	399537	0.49.20	399277	23
8	1.38.53	399524	0.47.19	399273	22
9	1.37.33	399515	0.45.16	399269	21
10	1.36.16	399506	0.43.12	399264	20
11	1.34.51	399493	0.41. 8	399260	19
12	1.33.26	399480	0.39. 2	399255	18
13	1.31.59	399471	0.36.56	399250	17
14	1.30.30	399462	0.34.50	399246	16
15	1.28.58	399449	0.32.42	399242	15
16	1.27.25	399441	0.30.34	399238	14
17	1.25.51	399432	0.28.26	399233	13
18	1.24.15	399423	0.26.17	399229	12
19	1.22.38	399412	0.24. 8	399226	11
20	1.20.59	399401	0.21.58	399224	10
21	1.19.20	399392	0.19.47	399224	9
22	1.17.37	399383	0.17.38	399220	8
23	1.15.53	399378	0.15.26	399220	7
24	1.14. 7	399367	0.13.14	398220	6
25	1.12.20	399360	0.11. 2	399216	5
26	1.10.32	399352	0. 8.49	399216	4
27	1. 8.41	399344	0. 6.38	399216	3
28	1. 6.50	399335	0. 4.25	399216	2
29	1. 4.57	399326	0. 2.13	399216	1
30	1. 3. 4	399321	0. 0. 0	399216	0
	7.		6.		

Adde.

Epochæ seu Radices.

EPOCHÆ.	♄ Ab Eq. S. G. M. S.	Aphelij. S. G. M. S.	☊ S. G. M. S.
Christi.	2. 12. 36. 23	7. 22. 19. 36	2. 19. 14. 33

Annorum post CHRISTUM.

100	7. 6. 5. 47	7. 24. 25. 44	2. 21. 13. 38
200	11. 29. 35. 10	7. 26. 31. 51	2. 23. 12. 43
300	4. 23. 4. 34	7. 28. 37. 59	2. 25. 11. 49
400	9. 16. 33. 57	8. 0. 44. 6	2. 27. 10. 54
500	2. 10. 3. 21	8. 2. 50. 14	2. 29. 10. 0
600	7. 3. 32. 44	8. 4. 56. 21	3. 1. 9. 5
700	11. 27. 2. 8	8. 7. 2. 29	3. 3. 8. 10
800	4. 20. 31. 31	8. 9. 8. 36	3. 5. 7. 16
900	9. 14. 0. 55	8. 11. 14. 44	3. 7. 6. 21
1000	2. 7. 30. 18.	8. 13. 20. 51	3. 9. 5. 27
1100	7. 0. 59. 42	8. 15. 26. 59	3. 11. 4. 32
1200	11. 24. 29. 5	8. 17. 33. 6	3. 13. 3. 27
1300	4. 17. 58. 29	8. 19. 39. 14	3. 15. 2. 43
1400	9. 11. 27. 52	8. 21. 45. 21	3. 17. 1. 48
1500	2. 4. 57. 16	8. 23. 51. 29	3. 19. 0. 54
1600	6. 28. 26. 39	8. 25. 57. 36	3. 20. 59. 59
1600	6. 28. 6. 33	8. 25. 57. 34	3. 20. 59. 53
1700	11. 21. 35. 57	8. 28. 3 42	3. 22. 58. 58

Numerus dierum cujusque mensis.

Menses completi anni simplicis.	♄ Ab Æq. S. G. M. S.	Aphel. M. S.	☊ M. S.	
Januarius.	0. 1. 2. 18	0. 6	0. 6	31
Februarius.	0. 1. 58. 35	0. 12	0. 11	28
Martius.	0. 3. 0. 53	0. 18	0. 17	31
Aprilis.	0. 4. 1. 11	0. 24	0. 23	30
Majus.	0. 5. 3. 29	0. 31	0. 29	31
Junius.	0. 6. 3. 47	0. 37	0. 35	30
Julius.	0. 7. 6. 5	0. 43	0. 41	31
Augustus.	0. 8. 8. 24	0. 50	0. 48	31
September.	0. 9. 8. 42	0. 56	0. 54	30
October.	0. 10. 11. 0	1. 3	1. 0	31
November.	0. 11. 11. 18	1. 9	1. 6	30
December.	0. 12. 13 36	1. 16	1. 12	31

Tabulæ mediorum Motuum Saturni.

Anni expansi.

Anni.	♄ Ab Æq.	Aphelij.	☊
	S. G. M. S.	S. G. M. S.	S. G. M. S.
1	0. 12. 13. 36	0. 0. 1. 16	0. 0. 1. 1
2	0. 24. 27. 11	0. 0. 2. 31	0. 0. 2. 2
3	1. 6. 40. 47	0. 0. 3. 47	0. 0. 3. 3
B 4	1. 18. 56. 23	0. 0. 5. 3	0. 0. 4. 4
5	2. 1. 9. 58	0. 0. 6. 18	0. 0. 5. 5
6	2. 13. 23. 4	0. 0. 7. 34	0. 0. 7.
7	2. 25. 37. 9	0. 0. 8. 50	0. 0. 8. 2
B 8	3. 7. 52. 45	0. 0. 10. 5	0. 0. 9. 3
9	3 20. 6. 21	0. 0. 11. 21	0. 0. 10. 4
10	4. 2. 19. 56	0. 0. 12. 37	0. 0. 11. 5
11	4. 14. 33. 32	0. 0. 13. 52	0. 0. 13.
B 12	4. 26 46. 8	0. 0. 15. 8	0. 0. 14. 1
13	5. 9. 2. 43	0. 0. 16. 24	0. 0. 15. 2
14	5. 21. 16. 19	0. 0. 17. 39	0. 0. 16. 4
15	6 3. 29. 54	0. 0. 18. 55	0. 0. 17. 5
B 16	6. 15. 45. 30	0. 0. 20. 11	0. 0. 19.
17	6. 27. 59. 6	0. 0. 21. 26	0. 0. 20. 1
18	7. 10. 12. 42	0. 0. 22. 42	0. 0. 21. 2
19	7. 22. 26. 18	0. 0. 23. 58	0. 0. 22. 3
B 20	8. 4. 41. 53	0. 0. 25. 14	0. 0. 23. 4
B 40	4. 9. 23. 45	0. 0. 50. 27	0. 0. 47. 3
B 60	0. 14. 5. 38	0. 1. 15. 41	0. 1. 11. 2
B 80	8. 18. 47. 31	0. 1. 40. 54	0. 1. 35. 1
B 100	4. 23. 29. 24	0. 2. 6. 8	0. 1. 59.
200	9. 16. 58. 47	0. 4. 12. 15	0. 3. 58. 1
300	2. 10. 28. 11	0. 6. 18. 23	0. 5. 57. 1
400	7. 3. 57. 34	0. 8. 24. 30	0. 7. 56. 2
500	11. 27. 26. 58	0. 10. 30. 38	0. 9. 55. 2
1000	11. 24. 53. 55	0. 21. 1. 16	0. 19. 50. 5
2000	11. 19. 47. 50	1. 12. 2. 31	1. 9. 41. 4

Saturni ab Æquinoctio.

Dies	In diebus. G. M. S.	Hor. & Minute. M. S.
1	0. 2. 1	0. 5
2	0. 4. 1	0. 10
3	0. 6. 2	0. 15
4	0. 8. 2	0. 20
5	0. 10. 3	0. 25
6	0. 12. 4	0. 30
7	0. 14. 4	0. 35
8	0. 16. 5	0. 40
9	0. 18. 5	0. 45
10	0. 20. 6	0. 50
11	0. 22. 7	0. 55
12	0. 24. 7	1. 0
13	0. 26. 8	1. 5
14	0. 28. 8	1. 10
15	0. 30. 9	1. 15
16	0 32. 9	1. 20.
17	0. 34. 10	1. 25
18	0. 36. 11	1. 30
19	0. 38. 11	1. 35
20	0. 40. 12	1. 40
21	0. 42. 12	1. 45
22	0. 44. 13	1. 51
23	0. 46. 14	1. 56
24	0. 48. 14	2. 1
25	0. 50. 15	2. 6
26	0. 52. 15	2. 11
27	0. 54. 16	2. 16
28	0. 56. 17	2. 21
29	0. 58. 17	2. 26
30	1. 0. 18	2. 31

Subtrahe.

Gr.	0. Gr.M.S	Log.dift	1. Gr.M.S	Log.dift	Gr
0	0. 0. 0	500223	3. 4.25	499939	30
1	0. 6.23	500223	3.10. 5	499920	29
2	0.12.43	500222	3.15.41	499900	28
3	0.19. 6	500220	3.21.14	499880	27
4	0.25.27	500218	3.26.44	499859	26
5	0.31.53	500214	3.32.12	499838	25
6	0.38.14	500211	3.37.36	499817	24
7	0.44. 7	500207	3.42.57	499794	23
8	0 50.58	500202	3.48 15	499772	22
9	0.57.16	500197	3.53.29	499747	21
10	1. 3.55	500191	3.58.39	499724	20
11	1.9. 53	500184	4. 3.45	499696	19
12	1.16.10.	500173	4. 8.47	499675	18
13	1.22.26	500169	4.13.45	499649	17
14	1.28.40	500160	4.18 39	499623	16
15	1.34.53	500151	4.23.30	499596	15
16	1.41. 4	500142	4.28.15	499570	14
17	1 47.14	500131	4.32.55	499542	13
18	1.53.22	500121	4.37.32	499513	12
19	1.59 31	500108	4 42. 5	499484	11
20	2. 5 34	500095	4.46.31	499455	10
21	2.12.36	500082	4.50.54	499426	
22	2.17.38	500071	4.55.14	499395	
23	2.23.36	500056	4 59.39	499364	
24	2.29.33	500041	5. 3.40	499333	
25	2.35.27	500026	5. 7 47	499302	
26	2.41.20	500009	5.11.50	499269	
27	2 47.11	499993	5.15.49	499236	
28	2.52.58	499973	5.19.41	499203	
29	2.58.43	499956	5.23.29	499170	
30	3. 4.25	499939	5.27.10	499136	
	11.		10.		

Adde.

Subtrahe.

Gr.	2. Gr.M.S	Log.dift	3. Gr.M.S	Log.dift	Gr.
0	5.27.10	499136	6.31. 6	497958	30
1	5.30.46	499101	6.31.32	497916	29
2	5.34.16	499067	6.31.50	497873	28
3	5.37.42	499031	6.31.59	497829	27
4	4.41. 1	498996	6.32. 2	497787	26
5	5.44.14	498960	6.31.59	497744	25
6	5.47.20	498923	6.31.50	497700	24
7	5.50.22	498886	6.31.32	497657	23
8	5.53.16	498849	6.31. 8	497613	22
9	5.56. 5	498812	6.30.35	497570	21
10	5.58.48	498774	6.29 54	497526	20
11	6.1. 26	498736	6.29. 8	497482	19
12	6. 3.59	498697	6.28.16	497439	18
13	6. 6.26	498658	6.27.14	497396	17
14	6. 8.47	498619	6.26. 7	497352	16
15	6.11. 0	498580	6.24.51	497309	15
16	6.13. 6	498540	6.23.29	497266	14
17	6.15. 6	498500	6.21.59	497223	13
18	6.16.59	498460	6.20. 0	498180	12
19	6.18.47	498419	6.18.35	487137	11
20	6.20.28	498378	6.16.43	497094	10
21	6.22. 1	498337	6.14.42	497051	9
22	6.23.28	498296	6.12.35	497009	8
23	6.24.48	498254	6.10.21	496967	7
24	6.26. 1	498212	6. 7.57	496925	6
25	6.27. 8	498170	6. 5.27	496882	5
26	6.28. 7	498128	6. 2.50	496841	4
27	6.29. 3	498086	6. 0. 8	496799	3
28	6.29.52	498044	5.57.17	496758	2
29	6.30.33	498002	5.54.19	496715	1
30	6.31. 6	497958	5.51.14	496677	0
	9.		8.		

Adde.

Subtrahe.

Gr.	4. Gr. M. S	Log. diff	5. Gr. M. S	Log. diff	Gr.
0	5.51 12	496677	3.28.39	495602	30
1	5.48. 3	496637	3.22.26	495637	29
2	5.44.45	496596	3.16. 8	495614	28
3	5.41.20	496557	3. 9.47	495590	27
4	5 37.46	496517	3. 3.19	495568	26
5	5.34. 7	496478	2.56.49	795547	25
6	5 30.21	496429	2 50 14	495525	24
7	5 26.30	496401	2.43.36	495505	23
8	5.22.29	496364	2.36 55	495485	22
9	5.18.22	496327	2.30.13	495466	21
10	5.14. 7	496290	2.23.26	495449	20
11	5. 9.46	496254	2.16.37	495432	19
12	5. 5.19	496217	2. 943	495416	18
13	5. 0.47	496181	2. 2.49	495400	17
14	4.56.10	496143	1.55.51	495386	16
15	4.51.26	496112	1.48.50	495372	15
16	4.46.37	496077	1.41.48	495359	14
17	4.41.41	496044	1.34.43	495347	13
18	4.36.37	496011	1.27.35	495336	12
19	4.31.29	495978	1.20.24	495326	11
20	4.26.14	495946	1.13.11	465317	10
21	4.20.52	495914	1. 5.56	495308	9
22	4.15.26	495883	0.58.40	495301	8
23	4. 9.53	495854	0.51.24	495294	7
24	4. 4.13	495824	0 44. 6	495228	6
25	3.58.30	485796	0.36.40	495283	5
26	3.52.42	495767	0.29.24	495279	4
27	3.46.49	495740	0.22. 4	495276	3
28	3.40.51	495713	0.14.43	495273	2
29	3.34.47	495688	0. 7.22	495272	1
30	3.28.39	495662	0. 0. 0	495272	0
	7.		6.		

Adde.

Gr.	Inclinatio. 0. 6. G.M.S.	1. 7. G.M.S.	2 8. G.M.S.	Reductio subtr. 0. 6 M.S.	1. 7. M.S.	2. 8. M.S.	Gr.
0	●. 0. 0	1.10. 0	2.11.39	0. 0	1.27	1.27	30
1	●. 2 39	1.18.18	2.12.58	0. 4	1.29	1.25	29
2	0. 5.18	1.20.35	2.14.15	0. 8	1.30	1.23	28
3	0. 7.57	1.22 50	2.15.29	0.11	1.32	1.21	27
4	0.10.36	1.25. 3	2.16.40	0.15	1.34	1.19	26
5	0.13.14	1.27.14	2.17.48	0. 18	1.35	1.17	25
6	0.15.52	1.29.23	2.18.53	0. 22	1.36	1.15	24
7	0.18.30	1.31.30	2.19.56	0. 25	1.37	1.13	23
8	●.21. 7	1.33.36	2.20.57	0. 28	1.38	1.11	22
9	0.23.44	1.35.40	2.21.55	0. 32	1. 38	1. 8.	21
10	0.26.20	1.37.42	2.22.50	0. 35	1.39	1. 5	20
11	0.28.55	1.39.43	2.23.43	0. 38	1. 39	1. 3	19
12	0.31.30	1.41.42	2. 24.33	0. 42	1.40	1. 0	18
13	0.34. 5	1.43. 39	2. 25.20	0. 45	1.40	0. 57	17
14	0.36.39	1.45.34	2.26. 5	●. 48	1. 41	0. 54	16
15	0.39.13	1.47.27	2.26.47	0. 51	1.41	0. 51	15
16	●.41.46	1.49.18	2.27.27	0. 54	1.41	0. 48	14
17	0.44.19	1.51. 7	2.28. 4	0. 57	1. 40	0. 45	13
18	0.46.51	1.52.54	2.28.39	1. 0	1. 40	0. 42	12
19	0.49. 22	1.54.39	2.29.11	1. 3	1.39	0. 38	11
20	0.51.52	1.56.22	2.29.41	1. 5	1.39	0. 35	10
21	0.54.22	1.58. 3	2.30. 8	1. 8	1.38	0. 32	9
22	0.56.51	1.59 42	2.30.32	1. 11	1.38	0. 28	8
23	0.59.19	2. 1.19	2.30.53	1. 13	1. 37	0. 25	7
24	1. 1.45	2. 2.54	2.31.11	1. 15	1. 36	0. 22	6
25	1. 4.11	2. 4.27	2.31.26	1. 17	1. 35	0. 18	5
26	1. 6.35	2. 5.58	2.31.39	1. 19	1. 34	0. 15	4
27	1.8. 58	2. 7.27	2.31.49	1. 21	1. 32	0. 11	3
28	1.11.20	2. 8.53	2.31.56	1. 23	1. 30	0. 4	2
29	1.13.41	2.10.17	2.32. 0	1. 25	1. 29	0. 8	1
30	1.16. 0	2.11.39	2.32. 0	1. 27	1. 27	0. 0	0
	11. 5.	10. 4.	9. 3.	11. 5.	10. 4.	9. 3.	

Maxima inclinatio, 2. Gr. 32'. 0".
Sin. compl. 999958.

Adde.

Termini ſtationum Saturni.

	Primæ.	Secundæ.
In anomalia excentrici	Angulus conſive ad	mutationis Solem.
S	S. G. M.	S. G. M.
0	3. 23. 48	3. 23. 57
3	3. 25. 27	3. 24. 47
6	3. 26. 53	3. 26. 50
9	3. 24. 37	3. 25. 20

Profunditas Solis ſub Horizonte, in articulis eme
onum ♄ matutinarum, & occultationum veſperdinaru
ſecundum Ptolemæum debet eſſe graduum 11.

Epochæ seu Radices.

EPOCHÆ.	♃ Ab Æq	Aphelij.	☌
	S. G. M. S	S. G. M. S.	S. G. M. S.
Christi.	5. 29. 49. 33	5. 15. 53. 50	3. 3. 52. 43

Annorum post CHRISTUM.

100	11. 6. 7. 59	5. 17. 12. 28	3. 3. 58. 32
200	4. 12. 26. 29	5. 18. 31. 7	3. 4. 4. 22
300	9. 18. 44. 52	5. 19. 49. 45	3. 4. 10. 12
400	2. 25. 3. 18	5. 21. 8. 23	3. 4. 16. 1
500	8. 1. 21. 45	5. 22. 27. 1	3. 4. 21. 51
600	1. 7. 40. 11	5. 23. 45. 39	3. 4. 27. 41
700	6. 13. 58. 37	5. 25. 4. 18	3. 4. 33. 30
800	11. 20. 17. 4	5. 26. 22. 56	3. 4. 39. 20
900	4. 26. 35. 30	5. 27. 41. 34	3. 4. 45. 10
1000	10. 2. 53. 56	5. 29. 0. 12.	3. 4. 51. 0
1100	3. 9. 12. 22	6. 0. 18. 50	3. 4. 56. 49
1200	8. 15. 30. 49	6. 1. 37. 29	3. 5. 2. 39
1300	1. 21. 49. 15	6. 2. 56. 7	3. 5. 8. 29
1400	6. 28. 7. 42	6. 4. 14. 45	3. 5. 14. 18
1500	0. 4. 26. 8.	6. 5. 33. 23	3. 5. 20. 8
1600	5. 10. 44. 35	6. 6. 52. 1	3. 5. 25. 58
1650	5. 9. 54. 43	6. 6. 52. 0	3. 5. 25. 58
1700	10. 16. 13. 9	6. 8. 10. 38	3. 5. 31. 48

Numerus dierum cujusque mensis.

Menses completi anni simplicis.	♃ Ab Æq.	Aphel.	☌	
	S. G. M. S.	M. S.	M. S.	
Januarius.	0. 2. 34. 37	0. 4	0. 0	31
Februarius.	0. 4. 54. 17	0. 7	0. 0	28
Martius.	0. 7. 28. 54	0. 11	0. 1	31
Aprilis.	0. 9. 58. 32	0. 15	0. 1	30
Majus.	0. 12. 33. 9	0. 19	0. 1	31
Junius.	0. 15. 2. 47	0. 23	0. 2	30
Julius.	0. 17. 37. 24	0. 27	0. 2	31
Augustus.	0. 20. 12. 2	0. 31	0. 2	31
September.	0. 22. 41. 40	0. 35	0. 3	30
October.	0. 25. 16. 17	0. 39	0. 3	31
November.	0. 27. 45. 55	0. 43	0. 3	30
December.	1. 0. 20. 23	0. 47	0. 4	31

Anni expansi.

Anni.	☌ Ab Æq. S. G. M. S.	Aphelij. S. G. M. S.	☊ S. G. M. S.
1	1. 0. 20 23	0. 0. 0. 47	0. 0. 0.
2	2. 0. 41. 4	0. 0. 1. 34	0. 0. 0.
3	3. 1. 1. 37	0. 0. 2. 22	0. 0. 0. 1
B 4	4. 1. 27. 8	0. 0. 3. 9	0. 0. 0. 1
5	5. 1. 47. 40	0. 0. 3. 56	0. 0. 0. 1
6	6. 2. 8. 12	0. 0 4. 43	0. 0. 0. 2
7	7. 2. 28. 45	0. 0. 5. 30	0. 0. 0. 2
B 8	8. 2. 54. 16	0. 0. 6. 17	0. 0. 0. 2
9	9. 3. 14. 43	0. 0. 7. 5	0. 0. 0. 3
10	10. 3. 35. 20	0. 0. 7. 52	0. 0. 0. 3
11	11. 3. 55. 53	0. 0. 8. 39	0. 0. 0. 3
B 12	0. 4. 21. 24	0. 0. 9. 26	0. 0. 0. 4
13	1. 4. 41. 56	0. 0. 10. 13	0. 0. 0. 4
14	2. 5. 2. 28	0. 0. 11. 0	0. 0. 0. 4
15	3. 5. 23. 1	0. 0. 11. 47	0. 0. 0. 5
B 16	4. 5. 43. 32	0. 0. 12. 35	0. 0. 0. 5
17	5. 6. 9. 4	0. 0. 13. 22	0. 0. 1.
18	6. 6. 29. 36	0. 0. 14. 9	0. 0. 1.
19	6. 7. 50. 8	0. 0. 14. 56	0. 0. 1.
B 20	8. 7. 15. 41	0. 0. 15. 44	0. 0. 1. 1
B 40	4. 14. 31. 22	0. 0. 31. 27	0. 0. 2. 2
B 60	0 21 47. 4	0. 0. 47. 11	0. 0. 3. 3
B 80	8. 29. 2. 45	0. 1. 2. 54	0. 0. 4. 4
B 100	5. 6. 18. 26	0. 1. 18. 38	0. 0. 5. 5
200	10. 12. 36. 53	0. 2. 37. 16	0. 0. 11. 4
300	3. 18. 55. 19	0. 3. 55. 55	0. 0. 17. 2
400	8. 25. 13. 45	0. 5. 14. 33	0. 0. 23. 1
500	2. 1. 32. 11	0. 6. 33. 11	0. 0. 29.
1000	4. 3. 4. 23	0. 13. 6. 22	0. 0. 58. 1
2000	8. 6. 8. 46	0. 26. 12. 44	0. 1. 56. 3

Jovis ab Æquinoctio.

Dies	In diebus. G. M. S.	Hor. & Minutis M. S.
1	0. 4.59	0 12
2	0. 9.58	0. 25
3	0.14.58	0 37
4	0.19.57	0. 50
5	0.24.56	1. 2
6	0.29.55	1. 15
7	0.34.55	1. 27
8	0.39.54	1. 40
9	0.44 53	1. 52
10	0.49.52	2. 5
11	0.54.52	2. 17
12	0.59.51	2. 30
13	1. 4 50	2. 42
14	1. 9.49	2. 55
15	1.14 49	3. 7
16	1.19.48	3. 20
17	1.24.47	3. 32
18	1.29.46	3. 44
19	1.34.46	3. 57
20	1.39.45	4. 9
21	1.44.44	4. 22
22	1.49.43	4. 34
23	1.54.43	4. 47
24	1.59.42	4. 59
25	2. 4.41	5. 12
26	2. 9.40	5. 24
27	2.14.40	5. 37
28	2.19.39	5. 49
29	2.24.38	6. 1
30	2.29.38	6. 14

Subtrahe.

Gr.	0. Gr. M. S	Log. dift	1. Gr. M. S	Log. dift	Gr.
0	0. 5. 28	473645	2.37.30	473400	30
1	0. 5. 28	473045	2.42.17	473385	29
2	0.10 55	473644	2.47. 2	473366	28
3	0.16.22	473642	2.51.46	473349	27
4	0.21.50	473640	2.56.27	473331	26
5	0.27.17	473639	3. 1. 6	473312	25
6	0.32.43	473636	3. 5.41	473294	24
7	0. 38.8.	473031	3.10. 3	473272	23
8	0.43.34	473626	3.14 42	473255	22
9	0.48.57	473620	3.19. 8	473235	21
10	0.54.18	473615	3.23.32	473214	20
11	0.59.41	473609	3.27.51	473193	19
12	1. 5. 2	473605	3 32. 8	473169	18
13	1.10.23	473599	3.36.20	473148	17
14	1.15.43	473592	3.40.30	473126	16
15	1.21. 1	473584	3.44.38	473102	15
16	1.26.19	473575	3.48.40	473079	14
17	1.31.35	473565	3.52.38	473056	13
18	1.36.50	473556	3.56.24	473031	12
19	1.42. 3	473546	4. 0.26	473006	11
20	1.47.15	473536	4. 4.13	472981	10
21	1.52.26	473524	4. 7.58	472955	9
22	1.57.35	473513	4.11.37	472929	8
23	2. 2.43	473500	4.15.14	472903	7
24	2. 7.48	473487	4.18.46	472875	6
25	2.12.52	473474	4.22.14	472848	5
26	2.17.52	473460	4.25.37	472821	4
27	2.22.50	473446	4.28 56	472792	3
28	2.27.45	473431	4.32. 9	472764	2
29	2.32.38	473417	4 35.18	472735	1
30	2.37.30	473400	4 38.22	472706	0
	11.		10.		

Adde.

Subtrahe.

Gr.	2. Gr.M.S	Log.diff	3. Gr.M.S	Log.diff	Gr.
30	0				
	4.38.22	472706	5.31. 3	471704	30
29	1				29
	4.41.21	472677	5.31.19	471667	
28	2				28
	4.44.17	472648	5.31.30	471631	
27	3				27
	4.47. 8	472616	5.31.36	471594	
26	4				26
	4.49.54	472586	5.31.35	471558	
25	5				25
	4.52.35	472555	5.31.30	471521	
24	6				24
	4.55.10	472524	5.31.18	471484	
23	7				23
	4.57.42	472485	5.31. 0	471445	
22	8				22
	5. 0. 8	472462	5.30.36	471406	
21	9				21
	5. 2.30	472429	5.30. 6	471372	
20	10				20
	5. 4 46	472397	5.29.28	471336	
19	11				19
	5. 6.57	472368	5.28.46	471299	
18	12				18
	5. 9. 4	472331	5.27.56	471262	
17	13				17
	5.11. 4	472296	5.27. 0	471225	
16	14				16
	5.13. 0	472263	5.25.59	471188	
15	15				15
	5.14.51	472230	5.34.51	471152	
14	16				14
	5.16.35	472197	5.23.38	471116	
13	17				13
	5.18.13	472162	5.22.16	471079	
12	18				12
	5.19.48	472127	5.20 49	471043	
11	19				11
	5.21.19	472093	5.19.15	471007	
10	20				10
	5.22.41	472058	5.17.36	470970	
9	21				9
	5.23.54	472023	5.15.55	470935	
8	22				8
	5.25. 4	471988	5.14. 6	470899	
7	23				7
	5.26. 8	471953	5.12. 7	470863	
6	24				6
	5.27. 7	471917	5.10. 5	470828	
5	25				5
	5.28. 2	471883	5. 7.56	471793	
4	26				4
	5.28.49	471847	5. 5.41	470759	
3	27				3
	5.29.31	471810	5. 3.21	470724	
2	28				2
	5.30. 8	471774	5. 0.53	473689	
1	29				1
	5.30.37	471737	4.58.21	470655	
0	30				0
	5.31. 3	471700	4.55.43	470621	
	9.		8.		

Adde.

Subtrahe.

Gr.	4. Gr. M. S	Log. diff	5. Gr. M. S	Log. diff	Gr.
0	4.55.42	470621	2.54.45	469776	30
1	4.52.58	470587	2.49.34	469755	29
2	4.50. 7	470554	2.44.20	469736	28
3	4.47.10	470519	2.39. 2	469717	27
4	4.44. 7	470487	2.33.38	469698	26
5	4.40.58	470455	2.28.11	469680	25
6	4.37.43	470423	2.22.42	469663	24
7	4.34.24	47039	2.17.10	469645	23
8	4.30.59	470358	2.11.33	469630	22
9	4.27.29	470327	2. 5.53	469615	21
10	4.23.54	470297	2. 0. 8	469600	20
11	4.20.12	470266	1.54.23	469586	19
12	4.16.27	470236	1.48.35	469572	18
13	4.12.35	470207	1.42.44	469560	17
14	4. 8.39	470177	1.36.51	469547	16
15	4. 4.39	470149	1.30.57	469536	15
16	4. 0.34	470121	1.25. 0	469526	14
17	3.56.21	470092	1.19. 3	469416	13
18	3.52. 4	470065	1.13. 4	469507	12
19	3.47.42	470037	1. 7. 4	469599	11
20	3.43.15	470012	1. 1. 2	469491	10
21	3.38.43	469986	0.54.59	469484	9
22	3.34. 6	469960	0.48.55	469478	8
23	3.29.25	469934	0.42.50	469478	7
24	3.24.20	469910	0.36.45	469468	6
25	3.19.49	469887	0.30.39	469463	5
26	3.14.56	469863	0.24.32	469460	4
27	3. 9.59	469841	0.18.24	469457	3
28	3. 4.59	469819	0.12.16	469455	2
29	2.59.54	469797	0. 6. 9	469454	1
30	2.54.45	469776	0. 0. 0	469453	0
	7.		6.		

Adde.

Inclinatio.

Gr.	0. 6. G.M.S.	1. 7. G.M.S.	2 8. G.M.S.
0	0. 0. 0	0.39.40	1. 8.43
1	0. 1.23	0.40.51	1. 9.23
2	0. 2.46	0.42. 1	1.10. 2
3	0. 4. 9	0. 3.10	1.10.40
4	0. 5.32	0.44.19	1.11.16
5	0. 6.55	0.45.27	1.11.52
6	0 8.18	0.46.35	1.12.26
7	0. 9.40	0.47.42	1.12.59
8	0.11. 3	0.48.49	1.13.31
9	0.12.25	0.49.55	1.14. 2
10	0.13.47	0.51. 0	1.14.32
11	0.15. 9	1.52. 5	1.15. 1
12	0.16.30	1.53. 9	1.15.28
13	0.17.51	1.54.12	1.15.54
14	0 19.12	1.55.14	1.16.18
15	0.20.32	1 56.14	1.16.40
16	0.21.51	1.57.14	1.17. 1
17	0.23.12	1.58.12	1.17 20
18	0 24.31	1.59. 8	1.17.37
19	0.25.50	1. 0. 3	1.17.53
20	0.27. 8	1. 0.57	1.18. 7
21	0.28.26	1. 1.49	1.18.20
22	0.29.43	1. 2.40	1.18.31
23	0.31. 0	1. 3.30	1.18.41
24	0.32.16	1. 4.18	1.18.50
25	0.33.32	1. 5. 5	1.18.58
26	0.34.47	1. 5.51	1.19. 5
27	0.36. 1	1. 6.36	1.19 11
28	0.37.15	1. 7.20	1.19.16
29	0.38.28	1. 8. 2	1.19.19
30	0.39.40	1. 8.43	1.19.20
	11.	10.	9.
	5.	4.	3.

Reductio subtr.

	0. 6 M.S.	1. 7. M.S.	2. 8. M.S.	Gr.
	0. 0	0. 24	0. 24	30
	0. 2	0. 25	0. 24	29
	0. 3	0. 25	0. 23	28
	0. 4	0. 26	0. 23	27
	0. 5	0. 26	0. 22	26
	0. 6	0. 26	0. 22	25
	0. 7	0 27	0. 21	24
	0. 8	0 27	0. 20	23
	0. 9	0. 27	0. 20	22
	0. 10	0. 28	0. 19	21
	0. 10	0. 28	0. 18	20
	0. 11	0. 28	0 18	19
	0. 12	0. 28	0. 17	18
	0. 13	0. 28	0. 16	17
	0. 14	0. 28	0. 15	16
	0. 14	0. 28	0. 14	15
	0 15	0. 28	0. 14	14
	0. 16	0. 28	0. 13	13
	0. 17	0. 28	0. 12	12
	0. 18	0. 28	0. 11	11
	0. 18	0. 28	0. 10	10
	0. 19	0. 28	0. 10	9
	0. 20	0. 27	0. 9	8
	0. 20	0. 27	0. 8	7
	0. 21	0. 27	0. 7	6
	0. 22	0. 26	0. 6	5
	0. 22	0. 26	0. 5	4
	0. 23	0. 26	0. 4	3
	0. 23	0. 25	0. 3	2
	0. 24	0. 25	0. 2	1
	0. 24	0. 24	0. 0	0
	11.	10.	9.	
	5.	4.	3.	

Maxima inclinatio, 1. 19. 20.
Sin. compl. 999989.

Adde.

Termini ſtationum Jovis.

	Primæ.	Secundæ.
In anomalia excentrici	Angulus ſive ad	Commutationis Solem.
S	S. G. M.	S. G. M.
0	4. 3. 57	4. 4. 54
3	4. 6. 22	4 6. 24
6	4. 8. 15	4. 7. 15
9	4. 5. 38	4. 5. 41

Profunditas Solis ſub Horizonte, in articulis emerſionum ♃ matutinarum, & occultationum veſpertinarum, ſecundum Ptolemæum debet eſſe graduum 10.

Epochæ seu Radices.

EPOCHÆ.	♂ Ab Æq				Aphelij.				☊			
	S.	G.	M.	S	S.	G.	M.	S.	S.	G.	M.	S
Christi.	1.	10.	32.	10	3.	29.	14.	40	0.	29.	4.	40

Annorum post CHRISTUM.

100	3.	12.	12.	20	4.	1.	6.	14	1.	0.	10.	54	
200	5.	13.	52.	30	4.	2.	57.	49	1.	1.	17.	9	
300	7.	15.	32.	40	4.	4.	49.	24	1.	2.	23.	23	
400	9.	17.	12.	49	4.	6.	40.	58	1.	3.	29.	38	
500	11.	18.	52.	59	4.	8.	32.	33	1.	4.	35.	52	
600	1.	20.	33.	9	4.	10.	24.	8	1.	5.	42.	7	
700	3.	22.	13.	19	4.	12.	15.	42	1.	6.	48.	21	
800	5.	23.	53.	29	4.	14.	7.	17	1.	7.	54.	36	
900	7.	25.	33.	39	4.	15.	58.	51	1.	9.	0.	50	
1000	9.	27	13.	48	4.	17.	50.	26	1.	10.	7.	5	
1100	11.	28.	53.	58	4.	19.	42.	1	1.	11.	13.	19	
1200	2.	0.	34.	8	4	21.	33.	35	1.	12.	19.	34	
1300	4.	2.	14.	18	4.	23.	25.	10	1.	13.	25.	48	
1400	6.	3.	54.	28	4.	25.	16.	45	1.	14.	32.	3	
1500	8.	5.	34.	37	4.	27.	8.	19	1.	15.	38.	17	
1600	10.	7.	14.	47	4.	28.	59.	54	1.	16.	44.	32	
1600	10.	2.	0.	20	4.	28.	59.	54	1.	16.	44.	31	
1700	0.	3.	40.	30	5.	0.	51.	29	1.	17.	50.	46	

Numerus dierum cujusque mensis.

Menses completi anni simplicis.	♂ Ab Æq.				Aphel.		☊		
	S.	G.	M.	S.	M.	S.	M.	S.	
Januarius.	0.	16.	14.	46	0.	6	0.	3	31
Februarius.	1.	0.	55.	13	0.	10	0.	6	28
Martius.	1.	17.	9.	59	0.	16	0.	10	31
Aprilis.	2.	2.	53.	18	0.	21	0.	13	30
Majus.	2.	19.	8.	5	0.	27	0.	17	31
Junius.	3.	4.	51.	24	0.	33	0.	20	30
Julius.	3.	21.	6.	11	0.	38	0.	23	31
Augustus.	4.	7.	20.	57	0.	43	0.	27	31
September.	4.	23.	4.	16	0.	49	0.	30	30
October.	5.	9.	19.	3	0.	55	0	34	31
November.	5.	25.	2.	22	1.	1	0.	37	30
December.	6.	11.	17.	8	1.	7	0.	40	31

Anni expansi.

Anni.		♂ Ab Æq				Aphelij.							
		S.	G.	M.	S.	S.	G.	M.	S.	S.	G.	M.	S.
	1	6.	11.	17.	8	0.	0.	1.	7	0.	0.	0.	4
	2	0.	22.	34.	17	0.	0.	2.	14	0.	0.	1.	2
	3	7.	3.	51.	26	0.	0.	3.	21	0.	0.	2.	
B	4	1.	15.	40.	0	0.	0.	4.	28	0.	0.	2.	4
	5	7.	26.	57.	9	0.	0.	5.	35	0.	0.	3.	1
	6	2.	8.	14.	18	0.	0.	6.	42	0.	0.	3.	5
	7	8.	19.	31.	27	0.	0.	7.	49	0.	0.	4.	3
B	8	3.	1.	20.	1	0.	0.	8.	56	0.	0.	5.	1
	9	9.	12.	37.	9	0.	0.	10.	3	0.	0.	5.	5
	10	3.	23.	54.	18	0.	0.	11.	10	0.	0.	6.	3
	11	10.	5.	11.	26	0.	0.	12.	16	0.	0.	7.	1
B	12	4.	17.	0.	1	0.	0.	13.	23	0.	0.	7.	5
	13	10.	28.	17.	9	0.	0.	14.	30	0.	0.	8.	3
	14	5.	9.	34.	18	0.	0.	15.	37	0.	0.	9.	1
	15	11.	20.	51.	27	0.	0.	16.	44	0.	0.	9.	5
B	16	6.	2.	40.	2	0.	0.	17.	51	0.	0.	10.	3
	17	0.	13.	57.	10	0.	0.	18.	53	0.	0.	11.	1
	18	6.	25.	14.	18	0.	0.	20.	5	0.	0.	11.	5
	19	1.	6.	31.	27	0.	0.	21.	12	0.	0.	12.	3
B	20	7.	18.	20.	2	0.	0.	22.	19	0.	0.	13.	1
B	40	3.	6.	40.	4	0.	0.	44.	38	0.	0.	26.	3
B	60	10.	25.	0.	6	0.	1.	6.	57	0.	0.	39.	4
B	80	6.	13.	20.	8	0.	1.	29.	16	0.	0.	53.	
B	100	2.	1.	40.	10	0.	1.	51.	35	0.	1.	6.	1
	200	4.	3.	20.	20	0.	3.	43.	9	0.	2.	12.	2
	300	6.	5.	0.	29	0.	5.	34.	44	0.	3.	18.	4
	400	8.	6.	40.	39	0.	7.	26.	18	0.	4.	24.	5
	500	10.	8.	20.	49	0.	9.	17.	53	0.	5.	31.	1
	1000	8.	16.	41.	38	0.	18.	35.	46	0.	11.	2.	2
	2000	5.	3.	23.	16	1.	7.	11.	32	0.	22.	4.	5

Martiis ab Æquinoctio.

Dies	In diebus. G. M. S.	Hor. & Minutis M. S.
1	0.31.27	1. 19
2	1. 2.53	2. 37
3	1.34.20	3. 56
4	2. 5.46	5. 15
5	2.27.13	6 33
6	3. 8.40	7. 52
7	3.40. 6	9 10
8	4.11.33	10. 29
9	4.43. 0	11. 48
10	5.14.27	13. 6
11	5.45.53	14. 25
12	6.17.20	15 43
13	6.48.46	17. 1
14	7.20.13	18. 21
15	7.51.40	19. 39
16	8.23. 6	20. 58
17	8.54.33	22. 18
18	9.26. 9	23. 35
19	9.57.27	24. 54
20	10.28.53	26. 12
21	11. 0.20	27. 31
22	11.31.46	28. 49
23	12. 3.13	30. 8
24	12.34.40	31. 27
25	13. 6. 6	32. 45
26	13.37.33	34. 4
27	14. 9. 0	35. 22
28	14.40.27	36. 41
29	15.11.53	38. 0
30	15.43.20	39. 28

Subtrahe.

Gr.	0. Gr.M.S	Log.diff	1. Gr.M.S	Log.diff	Gr.
0	0. 0. 0	422131	4.49. 3	421714	30
1	0. 9.58	422131	4.57.55	421685	29
2	0.19.55	422130	5. 6.51	421654	28
3	0.29.52	422128	5.15.41	421625	27
4	0.39.48	422123	5.24.25	421593	26
5	0.49.55	422121	5.33. 6	421564	25
6	0.59.41	422115	5.41.38	421529	24
7	1. 9.36	422110	5.50.10	421498	23
8	1.19.31	422102	5.58.40	421463	22
9	1.29.23	422094	6. 7. 7	421426	21
10	1.39.16	422084	6.15.26	421392	20
11	1.49. 7	422076	6.23.34	421354	19
12	1.58.56	422066	6.31.39	421317	18
13	2. 8.45	422053	6.39.37	421277	17
14	2.18.32	422040	6.47.33	421240	16
15	2.28.15	422027	6.55.18	421200	15
16	2.37.55	422011	7. 2.58	421157	14
17	2.47.35	521995	7.10.34	421115	13
18	2.57.12	421979	7.18. 0	421072	12
19	3. 6.48	421964	7.25.38	421029	11
20	3.16.20	421945	7.32.42	420984	10
21	3.25.50	421924	7.39.53	420938	2
22	3.36. 8	421906	7.46.56	420892	2
23	3.44.42	421885	7.53.59	420847	2
24	3.54. 4	421864	8. 1. 1	420798	2
25	4. 3.22	421840	8. 7.52	420752	2
26	4.12.40	431817	8.14.15	420701	2
27	4.21.52	421790	8.20.44	420653	2
28	4.30.38	421767	8.27. 7	420602	2
29	4.40. 3	421740	8.33.20	420550	2
30	4.49. 3	421714	8.39.27	420499	3
	11.		10.		

Adde.

Subtrahe.

Gr.	2. Gr. M.S	Log.diff	3. Gr. M.S.	Log.diff	Gr.
0	8.39.27	420499	10.33.30	418653	30
1	8.46.22	420447	10.34.32	418585	29
2	8.51.16	420392	10.35.41	418515	28
3	8.56.59	420399	10.36.27	418446	27
4	9. 2.41	420284	10.37. 4	418375	26
5	9. 8. 4	420230	10.37.27	418307	25
6	9.13.23	420172	10.37.41	418236	24
7	9.18.31	420115	10.37.41	418164	23
8	9.23.26	420058	10.37.35	418096	22
9	9.28.23	420028	10.37.28	418024	21
10	9.33. 6	419940	10.36.40	417952	20
11	9.37.40	419882	10.35.41	417880	19
12	9.42. 5	419821	10.34.41	417811	18
13	9.46.20	419761	10.33.36	417739	17
14	9.50.26	419700	10.32.17	417667	16
15	9.54.22	419637	10.30.45	417595	15
16	9.58.18	419576	10.29. 0	417525	14
17	10. 1.58	419512	10.27. 6	417452	13
18	10. 5.24	419449	10.24.57	417383	12
19	10. 8.41	419388	10.22.34	417310	11
20	10.11.49	419324	10.20. 0	417240	10
21	10.14.47	419257	10.17.12	417170	9
22	10.17.35	419190	10.14.12	417097	8
23	10.20.11	419125	10.11.26	417026	7
24	10.22.40	419058	10. 7.37	416956	6
25	10.24.53	418993	10. 4. 0	416885	5
26	10.26.58	418927	9.59.58	416814	4
27	10.28.53	418859	9.55.55	416747	3
28	10.30.36	418789	9.51.42	416681	2
29	10.32. 8	418721	9.47.17	416605	1
30	10.33.30	418653	9.42.38	416536	0
	9.		8.		

Adde.

Subtrahe.

Gr.	4. Gr.M.S	Log.ant	5. Gr.M.S	Log.ant	Gr.
0	9.42.28	416536	5 53 17	414708	30
1	9.37.48	416468	5.42.56	414721	29
2	9.32.45	416400	5.32.27	414681	28
3	9.27.31	416331	5.21.50	414638	27
4	9.22. 3	416265	5.11. 7	414597	26
5	9.16.26	416197	4.59.50	414557	25
6	9.10 42	416131	4.49 16	414520	24
7	9. 4.23	416065	4.38.10	414485	23
8	8.58. 6	415999	4.26.56	414448	22
9	8.51.42	415936	4.15.38	414414	21
10	8.45. 4	415872	4. 4.10	414383	20
11	8.38.12	415809	3.52.37	414351	19
12	8.31. 5	415746	3.40.58	414323	18
13	8 23.56	415682	3.29.14	414295	17
14	8.16.31	415622	3.17.24	414270	16
15	8. 8 44	415560	3. 5.30	414245	15
16	8. 0.55	415500	2.53.27	414220	14
17	7.52.56	415442	2.41.26	414198	13
18	7 44.45	415385	2.29.19	414179	12
19	7.36.25	415327	2.17. 8	414161	11
20	7.27.53	415269	2. 4.52	414145	10
21	7.19.12	415217	1.52.32	414129	9
22	7.10.20	415161	1.40. 8	414117	8
23	7. 1.19	415109	1.27.41	414107	7
24	6.52.18	415057	1.15.31	414098	6
25	6 42.43	415005	1. 2.45	414092	5
26	6.33.10	414956	0 50.15	414085	4
27	6.23.30	414907	0.37.42	414079	3
28	6.13.40	414857	0.25. 8	414073	2
29	6. 3.36	414811	0.12.35	414067	1
30	5.53.17	414768	0. 0. 0	414060	0
	7.		6.		

Adde.

	Inclinatio.			Reductio subtr.			
	0.	1.	2	0.	1.	2.	
	6.	7.	8.	6	7.	8.	
Gr.	G.M.S.	G.M.S.	G.M.S.	M.S.	M.S.	M.S.	Gr.
0	0. 0. 0	0.55.15	1.35 42	0. 0	0. 47	0. 47	30
1	0. 1.56	0.56.54	1.36.39	0. 1	0. 48	0. 46	29
2	0. 3.52	0.58.32	1.37.34	0. 3	0. 48	0. 45	28
3	0. 5.47	1. 0. 9	1.38.28	0. 5	0. 49	0. 44	27
4	0. 7.42	1. 1.45	1.39.20	0. 7	0. 49	0. 43	26
5	0. 9.38	1. 3.21	1.40.10	0. 9	0. 49	0. 42	25
6	0.11.33	1. 4.55	1.40.58	0. 11	0. 50	0. 41	24
7	0.13.28	1. 6.21	1.41.44	0. 13	0 50	0. 39	23
8	0.15.23	1. 8. 0	1.42.28	0. 15	0. 51	0. 38	22
9	0.17.17	1. 9.31	1.43.10	0. 16	0. 51	0. 37	21
10	0.19.11	1.11. 1	1.43 50	0. 18	0, 52	0. 36	20
11	0.21. 5	1.12.30	1.44.28	0. 20	0. 52	0. 34	19
12	0.22.58	1.13.57	1.45. 5	0. 22	0. 52	0. 33	18
13	0.24.51	1.15.23	1.45.40	0. 25	0. 52	0. 32	17
14	0.26.43	1.16.47	1.46.13	0. 26	0. 53	0. 30	16
15	0.28,35	1.18.10	1.46.44	0. 28	0. 53	0. 28	15
16	0.30 26	1.19.31	1.47.13	0 30	0. 53	0. 26	14
17	0.32.17	1.20.50	1.47.40	0. 32	0. 53	0. 24	13
18	0.34. 7	1.22. 8	1.48. 5	0. 33	0. 52	0. 22	12
19	0.35.57	1.23.25	1.48.28	0. 34	0. 52	0. 20	11
20	0.37.45	1.24.40	1.48.49	0. 36	0. 52	0. 18	10
21	0.39.34	1.25.54	1.49. 8	0. 37	0. 51	0. 16	9
22	0.41.22	1.27. 6	1.49.25	0. 38	0. 51	0. 15	8
23	0.43. 9	1.28.16	1.49.40	0. 39	0. 50	0. 13	7
24	0.44.55	1.29.25	1.49.53	0. 41	0. 50	0, 11	6
25	0.46.40	1.30.32	1.50. 4	0. 42	0. 49	0. 9	5
26	0.48.25	1.31.37	1.50.13	0. 43	0. 49	0. 7	4
27	0.50. 9	1.32.41	1.50.20	0. 44	0. 49	0. 5	3
28	0.51.52	1.33.43	1.50.25	0. 45	0. 48	0. 3	2
29	0.53.34	1.34.43	1.50.28	0. 46	0. 48	0. 1	1
30	0.55.15	1.35.42	1.50 30	0. 47	0. 47	0. 0	0
	11.	10.	9.	11.	10.	9.	
	5.	4.	3.	5.	4	3.	

Maxima inclinatio, 1. 50. 30.
Sin. compl. 999978.

Adde.

Termini ſtationum Martis.

In anomalia Excentrici.	Primæ. Angulus ad Solem.	Secundæ. Angulus ad Solem.	In anomalia Excentrici.	Primæ. Angulus.	Secundæ. ad Solem.
S.	S. G. M	S. G. M	S.	S. G. M	S. G. M
0	5. 7.40	5. 8.13	12	5. 7.40	5. 8.13
2	5.10.22	5.11.13	10	5. 9.56	5. 9.54
3	4.14. 0	5.14.23	9	5.12.46	5,12 27
4	5.17.30	5.17.17	8	5.15. 8	5.15. 8
6	5.20.20	5.19.49	6	4.20. 8	5.19.45

Profunditas Solis ſub Horizonte, in articulis emerſionum ♂tis matutinarum, & occultationum veſpertinarum, ſecundum Ptolemæum debet eſſe 11 graduum 30 min.

Epochæ seu Radices.

EPOCHÆ.	♀ Ab Æq. S. G. M. S.	Aphelij. S. G. M. S.	☊ S. G. M. S.
Christi.	1. 12. 6. 11	8. 26. 33. 10	1. 22. 7. 25

Annorum post CHRISTUM.

100	8. 1. 29. 45	8. 28. 43. 15	1. 23. 25. 45
200	2. 20. 53. 19	9. 0. 53. 19	1. 24. 44. 5
300	9. 10. 16. 52	9. 3. 3. 24	1. 26. 2. 25
400	3. 29. 40. 26	9. 5. 13. 28	1. 27. 20. 45
500	10. 19. 3. 59	9. 7. 23. 33	1. 28. 39. 5
600	5. 8. 27. 33	9. 9. 33. 37	1. 29. 57. 25
700	11. 27. 51. 7	9. 11. 43. 42	2. 1. 15. 45
800	6. 17. 14. 41	9. 13. 53. 46	2. 2. 34. 5
900	1. 6. 38. 15	9. 16. 3. 51	2. 3. 10. 45
1000	7. 26. 1. 49	9. 18. 13. 55	2. 3. 52. 25
1100	2. 15. 25. 23	9. 20. 24. 0	2. 6. 29. 5
1200	9. 4. 48. 56	9. 22. 34. 4	2. 7. 47. 25
1300	3. 24. 12. 30	9. 24. 44. 9	2. 9. 5. 45
1400	10. 13. 36. 3	9. 26. 54. 13	2. 10. 24. 5
1500	5. 2. 59. 37	9. 29. 4. 18	2. 11. 42. 25
1600	11. 22. 23. 11	10. 1. 14. 22	2. 13. 0. 45
1630	11. 6. 21. 53	10. 1. 14. 20	2. 13. 0. 44
1700	5. 25. 45. 27	10. 3. 24. 25	2. 14. 19. 4

Numerus dierum cujusque mensis.

Menses completi anni simplicis.	♀ Ab Æq. S. G. M. S.	Aphel. M. S.	☊ M. S.	
Januarius.	1. 19. 40. 3	0. 6	0. 4	31
Februarius.	3. 4. 31. 42	0. 12	0. 7	28
Martius.	4. 24. 11. 44	0. 19	0. 11	31
Aprilis.	6. 12. 15. 39	0. 25	0. 15	30
Majus.	8. 1. 55. 42	0. 32	0. 19	31
Junius.	9. 19. 59. 37	0. 38	0. 23	30
Julius.	11. 9. 39. 39	0. 45	0. 27	31
Augustus.	0. 29. 19. 42	0. 52	0. 31	31
September.	2. 17. 23. 37	0. 58	0. 35	30
October.	4. 7. 3. 39	1. 5	0. 39	31
November.	5. 25. 7. 34	1. 11	0. 43	30
December.	7. 14. 47. 36	1. 18	0. 47	31

Anni expansi.

Anni.	♀ Ab Æq. S. G. M. S.	Aphelij. S. G. M. S.	☊ S. G. M. S.
1	7. 14. 47. 36	0. 0. 1. 18	0. 0. 0. 4
2	2. 29. 35. 13	0. 0. 2. 36	0. 0. 1. 3
3	10. 14. 22. 49	0. 0. 3. 54	0. 0. 2. 2
B 4	6. 0. 46. 33	0. 0. 5. 12	0. 0. 3. 8
5	1. 15. 34. 9	0. 0. 6. 30	0. 0. 3. 5
6	9. 0. 21. 45	0. 0. 7. 48	0. 0. 4. 4
7	4. 15. 9. 21	0. 0. 9. 6	0. 0. 5. 2
B 8	0. 1. 33. 5	0. 0. 10. 24	0. 0. 6. 1
9	7. 16. 20. 41	0. 0. 11. 42	0. 0. 7.
10	3. 1. 8. 18	0. 0. 13. 0	0. 0. 7. 5
11	10. 15. 55. 54	0. 0. 14. 18	0. 0. 8. 3
B 12	6. 2. 19. 38	0. 0. 15. 36	0. 0. 9. 2
13	1. 17. 7. 14	0. 0. 16. 54	0. 0. 10. 1
14	9. 1. 54. 50	0. 0. 18. 12	0. 0. 10. 5
15	4. 16. 42. 27	0. 0. 19. 30	0. 0. 11. 4
B 16	0. 3. 6. 10	0. 0. 20. 48	0. 0. 12. 3
17	7. 17. 53. 46	0. 0. 22. 6	0. 0. 13. 1
18	3. 2. 41. 22	0. 0. 23. 24	0. 0. 14.
19	10. 17. 28. 58	0. 0. 22. 42	0. 0. 14. 5
B 20	6. 3. 52. 43	0. 0. 26. 1	0. 0. 15. 4
B 40	0. 7. 45. 26	0. 0. 52. 2	0. 0. 31. 2
B 60	6. 11. 38. 8	0. 1. 18. 3	0. 0. 47.
B 80	0. 15. 30. 51	0. 1. 44. 4	0. 1. 2. 4
B 100	6. 19. 23. 34	0. 2. 10. 5	0. 1. 18. 2
200	1. 8. 47. 8	0. 4. 20. 9	0. 2. 36. 4
300	7. 28. 10. 42	0. 6. 30. 14	0. 3. 55. 2
400	2. 17. 34. 16	0. 8. 40. 18	0. 5. 13. 2
500	9. 6. 57. 49	0. 10. 50. 23	0. 6. 31. 4
1000	6. 13. 55. 38	0. 21. 40. 45	0. 13. 3. 2
2000	0. 27. 51. 16	1. 13. 21. 30	0. 26. 6. 4

Veneris ab Æquinoctio.

Dies.	In diebus. S. G. M. S.	Hor. & Minutis G. M. S.
1	0. 1. 36. 8	0. 4. 4
2	0. 3. 12. 16	0. 8. 1
3	0. 4. 48. 23	0. 12. 1
4	0. 6. 24. 31	0. 16. 2
5	0. 8. 0. 39	0. 20. 2
6	0. 9. 36. 47	0. 24. 2
7	0. 11. 12. 55	0. 28. 3
8	0 12. 49. 3	0. 32. 3
9	0. 14. 25. 10	0. 36. 3
10	0. 16. 1. 18	0. 40. 4
11	0. 17. 37. 26	0. 44. 4
12	0. 19. 13. 34	0 48. 5
13	0. 20. 49. 42	0 52. 5
14	0. 22. 25. 50	0. 56. 5
15	0. 24. 1. 57	1. 0. 6
16	0. 25. 38. 5	1. 4. 16
17	0. 27. 14. 13	1. 8. 6
18	0. 28. 50. 21	1. 12. 7
19	1. 0. 26. 29	1. 16. 7
20	1. 2. 2. 37	1. 20. 8
21	1. 3. 38. 44	1. 24. 8
22	1. 5. 14. 52	1. 28. 8
23	1. 6. 51. 0	1. 32. 9
24	1. 8. 27. 8	1. 36. 9
25	1. 19. 3. 16	1. 40. 9
26	1. 11. 39. 23	1. 44. 10
27	1. 13. 15. 31	1. 48. 10
28	1. 14. 51. 39	1. 52. 11
29	1. 16. 27. 47	1. 56. 11
30	1. 18. 3. 55	2. 0. 12

Subtrahe.

Gr.	0. Gr.M.S	Log.dift	1. Gr.M.S	Log.dift	Gr.
0	0. 0. 0	386279	0.23.35	386243	30
1	0. 0.48	386279	0.24.17	386237	29
2	0. 1.36	386279	0.24.59	386237	28
3	0. 2.24	386279	0.25.40	386231	27
4	0. 3.15	386279	0.26.21	386231	26
5	0. 4. 4	386279	0.27. 1	386225	25
6	0. 4.53	386279	0.27.42	386225	24
7	0. 5.42	386279	0.28.21	386219	23
8	0. 6.30	386279	0.21. 9	386219	22
9	0. 7.19	386279	0.29 40	386213	21
10	0. 8. 7	386279	0.30.19	386213	20
11	0. 8.55	386278	0.30.59	386207	19
12	0. 9.44	286273	0.31.35	386207	18
13	0.10.33	386273	0.32.13	386201	17
14	0.11.21	386273	0.32.49	386201	16
15	0.12. 9	386273	0.33.24	386195	15
16	0.12.57	386273	0.33.59	386189	14
17	0.13.45	386267	0.34.34	386189	13
18	0.14.31	386267	0.35. 8	386183	12
19	0.15.19	386267	0.35 41	386177	11
20	0.16. 5	386261	0.36.14	386177	10
21	0.16.51	386261	0.36.46	386171	9
22	0.17.36	386261	0.37.16	386165	8
23	0.18.21	386255	0.37.46	386165	7
24	0.19. 7	386255	0.38.15	386159	6
25	0.19.52	386255	0.38.44	386153	5
26	0.20.37	386249	0.39.12	386153	4
27	0.21.21	386249	0.39.39	386157	3
28	0.22. 5	386249	0 40. 5	386141	2
29	0.22.50	386249	0.40.32	386136	1
30	0.23.35	386143	0.40.58	386136	0
	11.		10.		

Adde.

Subtrahe.

Gr.	2. Gr. M. S.	Log. dift.	3. Gr. M. S.	Log. dift.	Gr.
0	0.40.58	386136	0.47.35	385986	30
1	0.41.23	386130	0.47.36	385981	29
2	0.41.46	386124	0.47.36	385973	28
3	0.42.10	386118	0.47.35	385968	27
4	0.42.33	386118	0.47.33	385962	26
5	0.42.55	386112	0.47.29	385956	25
6	0.43.16	386106	0.47.24	385950	24
7	0.43.35	386100	0.47.18	385944	23
8	0.43.56	386094	0.47.12	385943	22
9	0.44.14	386094	0.47. 6	385938	21
10	0.44.33	386088	0.46.58	385932	20
11	0.44.52	386082	0.46.49	385926	19
12	0.45. 6	386076	0.46.40	385920	18
13	0.45.22	386070	0.46.30	385914	17
14	0.45.38	386064	0.46.19	385908	16
15	0.45.52	386058	0.46. 7	385907	15
16	0.46. 4	386057	0.45.54	385902	14
17	0.46.16	386052	0.45.41	385896	13
18	0.46.27	386046	0.45.26	385890	12
19	0.46.37	386040	0.45.10	385884	11
20	0.46.45	386034	0.44.54	385878	10
21	0.46.53	386028	0.44.37	385872	9
22	0.47. 1	386027	0.44.19	385871	8
23	0.47. 9	386022	0.44. 0	385866	7
24	0.47.15	386016	0.43.39	385860	6
25	0.47.21	386010	0.43.19	385854	5
26	0.47.26	386004	0.42.57	385848	4
27	0.47.29	385998	0.42.35	385842	3
28	0.47.32	385997	0.42.12	385842	2
29	0.47.35	385992	0.41.48	385836	1
30	0.47.35	385986	0.41.23	385830	0
	9.		8.		

Adde.

Subtrahe.

Gr.	4. Gr.M.S	Log.diff	5. Gr.M.S	Log.diff	Gr.
0	0.41.22	385830	0.24. 0	385722	30
1	0.40.59	385829	0.23.16	385715	29
2	0.40.34	385824	0.22.32	385714	28
3	0.40. 7	385818	0.21.48	385713	27
4	0.39.40	385812	0.21. 3	385709	26
5	0.39.12	385811	0.20.18	385708	25
6	0.38.43	385806	0.19.32	385708	24
7	0.38.15	385800	0.18.45	385703	23
8	0.37.45	385799	0.18. 0	385703	22
9	0.37.15	385794	0.17.13	385702	21
10	0.36.45	385788	0.16.16	385697	20
11	0.36.13	385787	0.15.38	385696	19
12	0.35.40	385781	0.14.50	385695	18
13	0.35. 5	385775	0.14. 1	385691	17
14	0.34.31	385774	0.13.13	385691	16
15	0.33.56	385769	0.12.24	385690	15
16	0.33.20	385763	0.11.35	385685	14
17	0.32.48	385762	0.10.47	385684	13
18	0.32. 7	385757	0. 9.58	385684	12
19	0.31.29	385754	0. 9. 9	385684	11
20	0.30.50	385751	0. 8.20	385683	10
21	0.30.11	385745	0. 7.31	385682	9
22	0.29.31	385743	0. 6.42	385682	8
23	0.28.51	385739	0. 5.52	384679	7
24	0.28.11	385737	0. 5. 1	385679	6
25	0.27.30	385735	0. 4.10	385679	5
26	0.26.49	385733	0. 3.20	385679	4
27	0.26. 8	385731	0. 2.30	385679	3
28	0.25.25	385727	0. 1.39	385679	2
29	0.24.43	385724	0. 0.49	385679	1
30	0.24. 0	385722	0. 0. 0	385679	0
	7.		6.		

Adde.

	Inclinatio.			Reductio subtr.			
	0.	1.	2	0.	1.	2.	
	6.	7.	8.	6.	7.	8.	
Gr.	G.M.S.	G.M.S.	G.M.S.	M.S.	M.S.	M.S.	Gr.
0	0. 0. 0	1.41. 0	2.54.56	0. 0	2. 35	2. 35	30
1	0 3. 32	1.44. 3	2.56.41	0. 7	2. 38	2. 32	29
2	0. 7. 4	1.47. 3	2.58.23	0. 13	2. 42	2. 28	28
3	0.10.35	1.50. 0	3. 0. 1	0. 19	2. 45	2. 25	27
4	0.14. 7	1.52.56	3. 1.35	0. 26	2. 47	2. 21	26
5	0.17.37	1.55.51	3. 3. 5	0. 32	2. 50	2. 16	25
6	0.21. 7	1.58.44	3. 4.32	0. 38	2. 52	2. 12	24
7	0.24.36	2. 1.35	3. 5.55	0. 45	2. 54	2. 8	23
8	0.28. 5	2. 4.23	3. 7.17	0. 51	2. 55	2. 3	22
9	0.31.34	2. 7. 8	3. 8.35	0. 57	2. 56	1. 59	21
10	0.35. 3	2. 9.51	3. 9.49	1. 2	2. 56	1. 54	20
11	0.38.31	2.12.32	3.10.59	1. 8	2. 57	1. 50	19
12	0.41.59	2.15.11	3.12. 6	1. 13	2. 58	1. 45	18
13	0.45.27	2.17.47	3.13.10	1. 18	2. 58	1. 40	17
14	0.48.53	2.20.20	3.14.10	1. 24	2. 59	1. 34	16
15	0.52.17	2.22.50	3.15. 7	1. 29	2. 59	1. 29	15
16	0.55.40	2.25.18	3.16. 0	1. 34	2. 59	1. 24	14
17	0.59. 2	2.27.44	3.16.40	1. 40	2. 58	1. 18	13
18	1. 2.24	2.30. 7	3.17.36	1. 45	2. 58	1. 13	12
19	1. 5.45	2.32.27	3.18.18	1. 50	2. 57	1. 8	11
20	1. 9. 5	2.34.45	3.18.57	1. 54	2. 56	1. 2	10
21	1.12.24	2.37. 0	3.19.32	1. 59	2. 56	0. 57	9
22	1.15.42	2.39.12	3.20. 3	2. 3	2. 55	0. 51	8
23	1.18.57	2.41.20	3.20.31	2. 8	2. 54	0. 45	7
24	1.22.10	2.43.25	3.20.55	2. 12	2. 52	0. 38	6
25	1.25.21	2.45.28	3.21.14	2. 16	2. 50	0. 32	5
26	1.28.31	2.47.28	3.21.31	2. 21	2. 47	0. 26	4
27	1.31.40	2.49.24	3.21.43	2. 25	2. 45	0. 19	3
28	1.34.48	2. 5.18	3.21.52	2. 28	2. 42	0. 13	2
29	1.37.55	2.53. 8	3.21.58	2. 32	2. 38	0. 7	1
30	1.41. 0	2.54.56	3.22. 0	2. 35	2. 35	0. 0	0
	11.	10.	9.	11.	10.	9.	
	5.	4.	3.	5.	4	3.	

Maxima inclinatio, 3. 22. 0.
Sin. compl. 999925.

Adde.

Termini ſtationum Veneris.

	Primæ.	Secundæ.		Primæ.	Secundæ.		Primæ.	Secundæ.
S.	S. G. M	S. G. M	S.	S. G. M.	S. G. M.	S.	S. G. M	S. G. M
In anomalia Excentrici.	Angulus	comm.	In anom. Excen:	Angulus.	comm.	In anomalia Excentrici.	Angulus.	comm
			0	5. 17. 47	5. 17. 58			
3	5. 17. 58	5. 17. 35	6	5. 16. 55	5. 16. 43	9	5. 16. 43	5. 17. 7

Profunditas Solis ſub Horizonte, in articulis emerſionum veſpertinarum & occultationum matutinarum Veneris, ſecundum Ptolemæum eſt 5 graduum: In occultationibus veſpertinis & emerſionibus matutinis minor. Ac ♀ interdum biduo aut triduo ſimul mane & veſperi conſpicitur. Et circa elongationes, maximas aliquot, conſpicitur in Horizonte & ſupra ſimul cum Sole, etiam ſine tubo optico.

Epochæ seu Radices.

EPOCHÆ.	☿ Ab Æq.	Aphelij.	☊
	S. G. M. S.	S. G. M. S.	S. G. M. S.
Christi.	10. 16. 30. 51	6. 26. 14. 39	0. 4. 32. 11

Annorum post CHRISTUM.

100	1. 0. 54. 23	6. 29. 9. 21	0. 6. 54. 15
200	3. 15. 17. 54	7. 2. 4. 3	0. 9. 16. 20
300	5. 29. 41. 26	7. 4. 58. 44	0. 11. 38. 24
400	8. 14. 4. 58	7. 7. 53. 26	0. 14. 0. 29
500	10. 28. 38. 30	7. 10. 48. 8	0. 16. 22. 33
600	1. 12. 52. 1	7. 13. 42. 50	0. 18. 44. 38
700	3. 27. 15. 33	7. 16. 37. 32	0. 21. 6. 42
800	6. 11. 39. 5	7. 19. 32. 13	0. 23. 28. 46
900	8. 26. 2. 37	7. 22. 26. 55	0. 25. 50. 51
1000	11. 10. 26. 8	7. 25. 21. 37	0. 28. 12. 55
1100	1. 24. 49. 40	7. 28. 16. 19	1. 0. 35. 0
1200	4. 9. 13. 12	8. 1. 11. 1	1. 2. 57. 4
1300	6. 23. 36. 44	8. 4. 5. 42	1. 5. 19. 9
1400	9. 8. 0. 15	8. 7. 0. 24	1. 7. 41. 13
1500	11. 22. 23. 47	8. 9. 55. 6	1. 10. 3. 18
1600	2. 6. 47. 19	8. 12. 49. 48	1. 12. 25. 22
1600	0. 25. 51. 53	8. 12. 49. 45	1. 12. 25. 20
1700	3 10. 15. 25	8. 14. 44. 27	1. 14. 47. 24

Menses completi anni simplicis.	☿ Ab Æq.	Aphel.	☊
	S. G. M. S.	M. S.	M. S.
Januarius.	4. 6. 51. 50	0. 9	0. 7
Februarius.	8. 1. 27. 3	0. 17	0. 13
Martius.	0. 8. 18. 53	0. 26	0. 20
Aprilis.	4. 11. 5. 11	0. 35	0. 27
Majus.	8. 17. 57. 1	0. 44	0. 35
Junius.	0. 20. 43. 19	0. 52	0. 42
Julius.	4. 27. 35. 9	1. 1	0. 49
Augustus.	9. 4. 28. 59	1. 10	0. 57
September.	1. 7. 13. 17	1. 19	1. 4
October.	5. 14. 5. 7	1. 27	1. 11
November.	9. 16. 51. 25	1. 36	1. 18
December.	1. 23. 43. 15	1. 45	1. 25

Anni expansi.

Anni.	☿ Ab Æq.	Aphelij.	☌
	S. G. M. S.	S. G. M. S.	S. G. M. S.
1	1. 23. 43. 15	0. 0. 1. 45	0. 0. 1. 2
2	3. 17. 26. 30	0. 0. 3. 30	0. 0. 2. 5
3	5. 11. 9. 45	0. 0. 5. 14	0. 0. 4. 1
B 4	7. 8. 58. 32	0. 0. 6. 59	0. 0. 5. 4
5	9. 2. 41. 47	0. 0. 8. 44	0. 0. 7.
6	10. 26. 25. 2	0. 0. 10. 29	0. 0. 8. 3
7	0. 20. 8. 17	0. 0. 12. 14	0. 0. 9. 5
B 8	2. 17. 57. 5	0. 0. 13. 58	0. 0. 11. 2
9	4. 11. 40. 20	0. 0. 15. 43	0. 0. 12. 4
10	6. 5. 23. 35	0. 0. 17. 28	0. 0. 14. 1
11	7. 29. 6. 50	0. 0. 19. 13	0. 0. 15. 3
B 12	9. 26. 55. 37	0. 0. 20. 58	0. 0. 17.
13	11. 20. 38. 52	0. 0. 22. 43	0. 0. 18. 2
14	1. 14. 22. 7	0. 0. 24. 27	0. 0. 19. 5
15	3. 8. 5. 22	0. 0. 26. 12	0. 6. 21. 1
3 16	5. 5. 54. 10	0. 0. 27. 57	0. 0. 22. 4
17	6. 29. 37. 25	0. 0. 29. 42	0. 0. 24.
18	8. 23. 20. 40	0. 0. 31. 27	0. 0. 25. 3
19	10. 17. 3. 55	0. 0. 33. 11	0. 0. 27.
B 20	0. 14. 52. 42	0. 0. 34. 56	0. 0. 28. 2
B 40	0. 29. 45. 25	0. 1. 9. 53	0. 0. 56. 5
B 60	1. 14. 38. 7	0. 1. 44. 49	0. 1. 25 1
B 80	1. 29. 30. 50	0. 1. 19. 46	0. 1. 53. 3
B 100	2. 14. 23. 32	0. 1. 54. 42	0. 2. 22.
200	4. 28. 47. 4	0. 5. 49. 23	0. 4. 44.
300	7. 13. 10. 36	0. 8. 44. 5	0. 7. 6. 1
400	9. 27. 34. 7	0. 11. 38. 47	0. 9. 28. 1
500	0. 11. 57. 39	0. 14. 33. 28	0. 11. 50. 2
1000	0. 23. 55. 18	0. 29. 6. 57	0. 23. 40. 4
2000	1. 17. 50. 53	1. 28. 13. 55	1. 27. 21. 2

Mercurij ab Æquinoct.

Dies.	In diebus. S. G. M. S.	Hor. & Minutis. G. M. S.
1	0. 4. 5. 32	0. 10. 14
2	0. 8. 11. 5	0. 20. 28
3	0. 12. 16. 38	0. 30. 42
4	0. 16. 22. 10	0. 40. 56
5	0. 20. 27. 43	0. 51. 9
6	0. 24. 33. 16	1. 1. 23
7	0. 28. 38. 48	1. 11. 37
8	1. 2. 44. 21	1. 21. 51
9	1. 6. 49. 53	1. 32. 5
10	1. 10. 55. 26	1. 42. 19
11	1. 15. 0. 58	1. 52. 32
12	1. 19. 6. 31	2. 2. 46
13	1. 23. 12. 4	2. 13. 0
14	1. 27. 17. 36	2. 23. 14
15	2. 1. 23. 9	2. 33. 28
16	2. 5. 28. 41	2. 43. 41
17	2. 9. 34. 14	2. 53. 55
18	2. 13. 39. 47	3. 4. 9
19	2. 17. 45. 19	1. 14. 23
20	2. 21. 50. 52	3. 24. 37
21	2. 25. 56. 24	3. 34. 51
22	3. 0. 1. 57	3. 45. 4
23	3. 4. 7. 30	3. 55. 18
24	3. 8. 13. 2	4. 5. 32
25	3. 12. 18. 35	4. 16. 46
26	3. 16. 24. 7	4. 26. 0
27	3. 20. 29. 40	4. 36. 14
28	3. 24. 35. 13	4. 46. 27
29	3. 28. 40. 45	4. 56. 41
30	4. 2. 46. 18	5. 6. 55

Subtrahe.

Gr.	0. G. M. S.	Log. dist	1. G. M. S.	Log. dist	Gr.
0	0 0. 0.	367173	9.44.51	366464	30
1	0. 19. 56	367164	10. 3.26	366417	29
2	0. 39. 52	367164	10.21.52	366361	28
3	0. 59. 48	367163	10.40.11	366313	27
4	1. 19. 43	367154	10.58.26	366257	26
5	1. 39. 39	367145	11.16.38	366200	25
6	1. 59. 31	367136	11.34.43	366143	24
7	2. 19. 22	367128	11.52.41	366087	23
8	2. 39. 13	267117	12.10.32	366030	22
9	2. 59. 3	367108	12.28.14	365973	21
10	3. 18. 52	367089	12.45.51	365906	20
11	3. 38.38	367070	13. 3.20	365839	19
12	3. 58. 23	367052	13.20.40	365782	18
13	4. 18. 5	367034	13.37.52	365706	17
14	4. 37. 45	367015	13.54.58	365639	16
15	4. 57. 22	366987	14.11.54	635571	15
16	5. 16. 57	366969	14.28.41	365495	14
17	5. 36. 29	366941	14.45.20	365418	13
18	5. 55. 59	366922	15. 1.52	365350	12
19	0. 15 24	366885	15.18.13	365273	11
20	6. 34. 47	366857	15.34 24	365186	10
21	6. 54. 7	366820	15.50.27	365108	9
22	7. 13. 22	366792	16. 6.18	365031	8
23	7. 32. 33	366755	16 21.57	364943	7
24	7. 51. 41	366717	16. 37. 32	364856	6
25	8. 10. 44	366680	16.52.54	364777	5
26	8. 29. 44	366633	17. 8. 5	364689	4
27	8. 48. 38	306596	17.23. 2	364591	3
28	9 7.27	366549	17.37.50	364503	2
29	9. 26. 11	366502	18.52.26	364404	1
30	0. 44. 51	366464	18. 6.50	364316	0
	11.		10.		

Adde.

Subtrahe.

Gr.	2. G. M. S.	Log. dift	3. G. M. S.	Log. dift	Gr.
30	0 18. 6.50	364316	23.23.53	360713	30
29	1 11.21. 0	364217	23.29.45	360573	29
28	2 18.34.57	364118	23.35.16	360423	28
27	3 18.48.45	364018	23.40.26	360271	27
26	4 19. 2.18	363919	23.45.12	360130	26
25	5 19.15.37	363809	23.49.36	359977	25
24	6 19.28.45	363709	23.53.58	359824	24
23	7 17.41.39	363599	23.57.15	359671	23
22	8 19.54.19	363498	24. 0.28	359517	22
21	9 20. 6.45	363387	24. 3.17	359362	21
20	10 20.18.56	363276	24. 5.41	359207	20
19	11 20.30.52	363165	24. 7.40	359051	19
18	12 20.42.34	303043	24. 9.14	358894	18
17	13 20.53.58	362931	24.10.21	358737	17
16	14 21. 5. 9	362808	24.11. 2	358586	16
15	15 21.16. 6	362696	24.11.17	358410	15
14	16 21.26.44	362572	24.11. 5	358252	14
13	17 21.37. 4	362449	24.10.27	358092	13
12	18 21.47. 9	362324	24. 9.21	357921	12
11	19 21.56.56	362201	24. 7.46	357749	11
10	20 22. 6.25	362076	24. 5.43	357588	10
9	21 22.15.37	361941	24. 3.13	357426	9
8	22 22.24.31	361815	24. 0.13	357252	8
7	23 22.33. 4	361679	23.56.43	357078	7
6	24 22.41.22	361542	23.52.44	356914	6
5	25 22.49.19	361405	23.48.14	356738	5
4	26 22.56.45	361267	23.43.13	356573	4
3	27 23. 4. 6	361140	23.37.40	356396	3
2	28 23.11. 3	360991	23.31.37	356229	2
1	29 23.17.37	360853	23.25. 2	356050	1
0	30 23 23.53	360713	23.17.55	355883	0
	9.		8.		

Adde.

Subtrahe.

Gr.	4. G. M. S.	Log. dist	5. G. M. S.	Log. dist	Gr.
0	23.17.55	355883	15.19.46	350947	30
1	23.10.16	355642	14.54. 6	350812	29
2	23. 2. 4	355534	14.29.35	350678	28
3	22.53.18	355352	14. 3.42	350556	27
4	22.44. 2	355182	13.35.21	350420	26
5	22.34.11	354998	13.10.26	350297	25
6	22.23.48	354811	12.43. 0	350174	24
7	22.12.47	354667	12.15. 5	350051	23
8	22. 1.13	354494	11.46.43	349941	22
9	21.49. 4	354320	11.17.56	349831	21
10	21.36.25	354145	10.48.42	349734	20
11	21.23. 6	353970	10.19. 3	339624	19
12	21. 9.14	353794	9.48.58	349527	18
13	20.54.45	353531	9.18.31	349443	17
14	20.39.42	353453	8.47.45	349346	16
15	20.24. 3	353288	8.16.33	349262	15
16	20. 7.51	353122	7.44.59	349192	14
17	19.51. 2	352956	7.13.10	349122	13
18	19.33.41	352789	6.41. 1	349052	12
19	19.15.41	352621	6. 8.36	348982	11
20	18.57. 9	352466	5.35.54	348925	10
21	18.38. 1	352310	5. 3. 0	348883	9
22	18.18.17	352140	4.29.53	348827	8
23	17.57.56	351983	3.56.32	348786	7
24	17.37. 4	351825	3.23. 3	341756	6
25	17.15.35	351680	2.49.24	348728	5
26	16.53.32	351534	2.15.40	348700	4
27	16.30.59	351375	1.41.51	348671	3
28	16. 7.47	351228	1. 7.57	348657	2
29	15.44. 2	351095	0.38.55	348657	1
30	15.19.46	350947	0. 0. 0	348650	0
	7.		6.		

Adde.

Gr.	Inclinatio. 0. 6. G.M.S.	1. 7. G.M.S.	2. 8. G.M.S.	Reductio subst. 0. 6. M. S.	1. 7. M. S.	2. 8. M. S.	Gr.
30	0. 0. 0	3.27. 0	5.58.32	0. 0	10.49	10.49	30
29	0. 7.13	3.33.13	6. 2. 6	0.26	11. 2	10.36	29
28	0.14.27	3.39.22	6. 5.33	0.52	11.14	10.22	28
27	0.21.40	3.45.28	6. 8.53	1.18	11.25	10. 7	27
26	0.28.53	3.51.30	6.12. 6	1.44	11.35	9.51	26
25	0.36. 5	3.57.28	6.15.13	2.10	11.44	9.34	25
24	0.43.16	4. 3.21	6.18.13	2.35	11.53	9.17	24
23	0.50.26	4. 9. 9	6.21. 6	3. 1	12. 1	8.59	23
22	0.57.36	4.14.53	6.23.52	3.26	12. 8	8.41	22
21	1. 4.45	4.20.32	6.26.29	3.51	12.14	8.22	21
20	1.11.53	4.26. 6	6.29. 0	4.16	12.19	8. 2	20
19	1.18.59	4.31.35	6.31.24	4.40	12.23	7.42	19
18	1.26. 4	4.37. 0	6.33.42	5. 4	12.26	7.21	18
17	1.33. 7	4.42.20	6.35.53	5.28	12.28	6.59	17
16	1.40. 8	4.47.35	6.37.57	5.51	12.29	6.37	16
15	1.47. 8	4.52.45	6.39.53	6.14	12.30	6.14	15
14	1.54. 6	4.57.49	6.41.42	6.37	12.29	5.51	14
13	2. 1. 2	5. 2.48	6.43.23	6.59	12.28	5.28	13
12	2. 7.56	5. 7.41	6.44.57	7.21	12.26	5. 4	12
11	2.14.47	5.12.28	6.46.24	7.42	12.23	4.40	11
10	2.21.35	5.17. 9	6.47.43	8. 2	12.19	4.16	10
9	2.28.21	5.21.44	6.48.54	8.22	12.14	3.51	9
8	2.35. 5	5.26.13	6.49.58	8.41	12. 8	3.26	8
7	2.41.46	5.30.37	6.50.55	8.59	12. 1	3. 1	7
6	2.48.24	5.34.55	6.51.44	9.17	11.53	2.35	6
5	2.54.58	5.39. 7	6.52.25	9.34	11.44	2.10	5
4	3. 1.29	5.43.13	6.52.59	9.51	11.35	1.44	4
3	3. 7.57	5.47.13	6.53.26	10. 7	11.25	1.18	3
2	3.14.22	5.51. 6	6.53.45	10.22	11.14	0.52	2
1	3.20.43	5.54.51	6.53.56	10.36	11. 2	0.26	1
0	3.27. 0	5.58.32	6.54. 0	10.49	10.49	0. 0	0
	11.	10.	9.	11.	0.	9.	
	5.	4.	3.	5.	4.	3.	

Maxima inclinatio, 6. 54. 0.
Sin. compl. 999684.

Adde.

Termini ſtationum Mercurij.

In anomalia Excentrici.	Primæ. Angulus.	Secundæ. ad Solem.	In anomalia Excentrici.	Primæ. Angulus.	Secundæ. ad Solem.
S.	S. G. M.	S. G. M.	S.	S. G. M.	S. G. M.
0.	5. 3. 48.	5. 4. 10.	12.	5. 3. 48.	5. 4. 10.
2.	5. 0. 46.	5. 0. 13.	10.	5. 0. 57.	5. 1. 34.
3.	4. 24. 58.	4. 25. 9.	9.	4. 25. 19.	4. 26. 28.
4.	4. 22. 2.	4. 20. 57.	8.	4. 21. 27.	4. 22. 17.
6.	4. 16. 46.	4. 16. 23.	6.	4. 16. 46.	4. 16. 23.

Profunditas Solis ſub Horizonte, in articulis emerſionum veſpertinarum, & occultationum matitunarum Mercurij, ſecundum Ptolemæum debet eſſe graduum 10. In emerſionibus matutinis & occultationibus veſpertinis non multo diverſa.

Epochæ seu Radices.

EPOCHÆ.	☽ Ab Æq. S. G. M. S	Apogæi. S. G. M. S.	☊ S. G. M. S.
Christi.	4. 15. 11. 9	9. 11. 54. 27	8. 28. 48. 11

Annorum post CHRISTUM.

100	2. 23. 0. 0	1. 1. 8. 43	4. 14. 37. 5
200	1. 0. 48. 51	4. 20. 21. 59	0. 0. 25. 58
300	11. 8. 37. 42	8. 9. 37. 15	7. 16. 14. 51
400	9. 16. 26. 33	11. 28. 51. 31	3. 2. 3. 45
500	7. 24. 15. 24	3. 18. 5. 48	10. 17. 52. 38
600	6. 2. 4. 15	7. 7. 19. 4	6. 3. 41. 31
700	4. 2. 53. 6	10. 26. 34. 20	1. 19. 30. 24
800	2. 17. 41. 57	2. 15. 48. 36	9. 5. 19. 17
900	0. 25. 30. 48	6. 5. 2. 52	4. 21. 8. 10
1000	11. 3. 19. 39	9. 24. 17. 8	0. 6. 57. 4
1100	9. 11. 8. 30	1. 13. 31. 24	7. 22. 45 57
1200	7. 18. 57. 21	5. 2. 45. 40	3. 8. 34. 50
1300	5. 26. 46. 12	8. 21. 59. 56	10. 24. 23. 44
1400	4. 4. 35. 3	0. 11. 14. 12	6. 10. 12. 37
1500	2. 12. 23. 54	4. 0 28. 29	1. 26. 1. 30
1600	0. 20. 12. 45	7. 19 42. 45	9. 11. 50. 24
1600	8. 8. 26. 55	7. 18. 35. 54	9 12. 22. 10
1700	6. 16. 15. 46	11. 7. 50. 10	4. 18. 11. 3

Menses completi anni simplicis.	☽ Ab Æq. S. G. M. S.	Apogæi. S. G. M. S.	☊ G. M. S.
Januarius.	1. 18. 28. 6	0. 3. 27. 1	1. 38. 0
Februarius.	1. 27. 24. 26	0 6. 54. 2	3. 7. 28
Martius.	3. 15. 52. 32	0. 10. 1. 37	4. 45. 57
Aprilis.	4. 21. 10. 2	0. 13. 22. 9	6. 21. 16
Majus.	6. 9. 38. 8	0. 16. 49. 22	7. 59. 4
Junius.	7. 14. 55. 39	0. 20. 9. 55	9. 35. 6
Julius.	9. 3. 23. 44	0. 23. 37. 8	11. 13. 35
Augustus.	10. 21. 51. 50	0. 27. 4. 21	12. 51. 5
September.	11. 27. 9. 21	1. 0. 24. 53	14. 27. 2
October.	1. 15. 37. 26	1. 3. 52. 7	16. 5. 54
November.	2. 20. 54. 57	1. 7. 12. 39	17. 41. 13
December.	4. 9. 23. 3	1. 10. 39. 52	19 19. 43

Anni expansi.

Anni		☽ Ab Æq. S. G. M. S.	Apogæi. ☊ S. G. M. S.	☌ S. G. M. S.
	1	4. 9. 23. 3	1. 10. 39. 52	0. 19. 19. 4
	2	8. 18. 46. 5	2. 21. 19. 45	1. 8. 39. 2
	3	0. 28. 9. 8	4. 1. 59. 37	1. 27. 50.
B	4	5. 20. 42. 45	5 12. 46. 10	2. 17. 22.
	5	10. 0. 5. 48	6. 23. 26. 2	3. 6. 41. 4
	6	2. 9. 28. 50	8. 4. 5. 55	3. 26. 1. 2
	7	6. 18. 51. 53	9. 14. 45. 47	4. 15. 21. 1
B	8	11. 11. 25. 30	10. 25. 32. 20	5. 4. 44.
	9	3. 20. 48. 33	0. 6. 12. 13	5. 24. 3. 4
	10	8. 0. 11. 35	1. 16. 52. 5	6. 13. 23. 3
	11	0. 9. 34. 38	2. 27. 31. 57	7. 2. 43. 1
B	12	5. 2. 8. 16	4. 8. 18. 30	7. 22. 6.
	13	9. 11. 31. 18	5. 18. 58. 23	8. 11. 25. 5
	14	1. 20. 54. 21	6. 29. 38. 15	9. 0. 45. 3
	15	6. 0. 17. 24	8. 10. 18. 7	9. 20. 5.
B	16	10. 22. 51. 0	9. 21. 4. 40	10. 9. 28.
	17	3. 2. 14. 3	11. 1. 44. 33	10. 28. 47.
	18	7. 11. 37. 6	0. 12. 24. 25	11. 18. 7.
	19	11. 21. 0. 9	1. 23. 4. 17	0. 7. 27. 2
B	20	4. 13. 33. 46	3. 3. 50. 51	0. 26. 50.
B	40	8. 27. 7. 32	6. 7. 41. 42	1. 23. 40. 2
B	60	1. 10. 41. 19	9. 11. 32. 34	2. 20. 40.
B	80	5. 24. 15. 5	0. 15. 23. 25	3. 17. 20.
B	100	10. 7 48. 51	3. 19. 14. 16	4. 14. 11.
	200	8. 15. 37. 42	7. 8. 28. 32	8. 28. 22.
	300	6. 23. 26. 33	10 27. 42. 48	1. 12. 33.
	400	5. 1. 15. 24	2. 16. 57. 4	5. 26. 44.
	500	3. 9. 4. 15	6. 6. 11. 20	10. 10. 55.
	1000	6. 18. 8. 30	0. 12. 22. 41	8. 21. 51.
	2000	1. 6. 17. 0	0. 24. 45. 22	5. 13. 24.

☽ ab Æquin.	Apogæi.	☊
S. G. M. S.	G. M. S.	G. M. S.
0.13.10.35	6. 6.41	0. 3.11
0.26.21.10	0.13.22	0. 6.21
1. 9.31.45	0.20. 3	0. 9.32
1.22.42.20	0.26.44	0.12.43
2. 5.52.55	0.33.25	0.15.53
2.19. 3.20	0.40. 6	0.19. 4
3. 2.14. 5	0.46.48	0.22.14
3.15.24.40	0.53.29	0.25.25
3.28.35.15	1. 0.10	0.28.36
4.11.45.50	1. 6.51	0.31.46
4.24.56.25	1.13.32	0.34.57
5. 8. 7. 0	1.20.13	0.38. 8
5.21.17.35	1.26.54	0.41.18
6. 4.28.10	1.33.35	0.44.29
6.17.38.45	1.40.16	0.47.40
7. 0.49.20	1.46.57	0.50.50
7.13.59.55	1.53.38	0.54. 1
7.27.10.30	2. 0.19	0.57.11
8.10.21. 5	2. 7. 0	1. 0.22
8.23.31.40	2.13.41	1. 3.33
9. 6.42.15	2.20.23	1. 6.43
9.19.52.50	2.27. 4	1. 9.54
10. 3. 3.25	2.33.45	1.13. 5
10.16.14. 0	2.40.26	1.16.15
10.29.24.36	2.47. 7	1.19.26
11.12.35.11	2.53.48	1.22.37
11.25.45.46	3. 0.29	1.25.47
0. 8.56.21	3. 7.10	1.28.58
0.22. 6.56	3.13.51	1.32. 9
1. 5.17.31	3.20.32	1.35.19

☽ ab Æq.	Apo.	☊
H. M.	H. M.	H. M.
G. M. S.	M. S.	M. S.
0.32.56	0.17	0. 8
1. 5.53	0.33	0.16
1.38.49	0.50	0.24
2.11.46	1. 7	0.32
2.44.42	1.24	0.40
3.17.39	1.40	0.48
3.50.35	1.57	0.56
4.23.32	2.14	1. 4
4.56.28	2.30	1.12
5.29.25	2.57	1.19
6. 2.21	3. 4	1.27
6.35.18	3.21	1.35
7. 1.84	3.27	1.43
7.41.10	3.54	1.51
8.14. 7	4.11	1.59
8.47. 3	4.27	2. 7
9.20. 0	4.44	2.15
9.52.56	5. 1	2.23
10.25.53	5.18	2.31
10.58.49	5.34	2.39
11.31.46	5.51	2.47
12. 4.42	6. 8	2.55
12.37.39	6.24	3. 3
13.10.35	6.41	3.11
13.43.32	6.58	3.19
14.16.28	7.15	3.27
14.49.20	7.31	3.34
15.20.21	7.48	3.42
15.55.17	8. 5	3.50
16.28.14	8.21	3.58

Subtrahe.

Gr	0. G.M.S.	1. G.M.S.	2. G.M.S.	3. G.M.S.	4. G.M.S.	5. G.M.S.
0	0. 0. 0	2.23. 8	4.12.40	4.59 30	4.26 49	3.37.11
1	0. 4.58	2.27. 3	4.15.17	4.59.48	4.24.19	2.32.27
2	0. 9.56	2.31.59	4.17.56	4.59.56	4.21.43	2.27.42
3	0.14.53	2.36. 7	4.20.28	4.59.59	4.19. 1	2.22.54
4	0.19.50	2.40.22	4.23. 0	4.59.58	4.16.14	2.18. 3
5	0.24.48	2.44.35	4.25.24	4.59.49	4.13.22	2.13. 9
6	0.29.44	2.48.48	4.27.44	4.59.36	4.10.25	2. 8.13
7	0.34.39	2.52.53	4.30. 0	4.59.20	4. 7.24	2. 3.14
8	0.39.34	2.56.54	4.32.12	4.58.51	4. 4.18	1.58.12
9	0.44.31	3. 0.58	4.34.19	4.58.24	4. 1. 8	1.53. 7
10	0.49.25	3. 4.58	4.36.21	4.57.48	3.57.53	1.48. 1
11	0.54.19	3. 8.53	4.38.18	4.57. 6	3.54.32	1.42.52
12	0.59.13	3.12.46	4.30.12	4.56.26	3.51. 7	1.37.41
13	1. 4 4	3.16.35	4.41.58	4.55.27	3 47.38	1.32.27
14	1. 8.50	3.20.22	4.43.41	4.54 30	3.44. 4	1.27.11
15	1.13.45	3.24. 5	4.45.19	4.53.27	3.40 27	1.21.54
16	1.18.33	3.27.44	4.46.53	4.52.19	3.36 43	1.16.35
17	1.23.20	3 31,20	4.48.22	4.51. 3	3.32.55	1.11.14
18	1.28. 6	3.34.53	4.49.44	4.49.45	3.29. 2	1. 5. 5
19	1.32.50	3.38.22	4.51. 2	4.48.21	3 25. 5	1. 0.27
20	1.37.32	3.41.47	4.52.15	4.46.51	3.21.40	0.55. 2
21	1.42.13	3.45. 9	4.53.22	4.45.16	3.16.59	0.49.34
22	1.46.53	3.48.28	4.54.23	4.43.34	3.12.48	0.44. 7
23	1.51.33	3.51.43	4.55.20	4.41.27	3. 8.34	0.38.37
24	1.56. 9	3.54.55	4.56.12	4.39.56	3. 4.16	0.33. 8
25	2. 0.45	3.58. 3	4.56.59	4.37.58	2.59.53	0.27.38
26	2. 5.18	4. 1. 6	4.57.38	4.35.56	2.55.27	0.22. 8
27	2. 9.49	4. 4. 5	4.58.14	4 33.47	2.50.58	0.16.37
28	2.14.18	4. 7. 0	4.58.45	4 31.33	2.46.26	0.11. 4
29	2.18.44	4. 9.51	4.59.10	4.29.10	2.41.50	0. 5.32
30	2.23. 8	4.12.40	4.59.30	4.26.49	2.37.11	0. 0. 0
	11.	10.	9.	8.	7.	6.

Adde.

Latitudo simplex.									Reduct. subtrahe.								
	0.			1.			2.			0.			1.			2.	
	6.			7.			8.			6.			7.			8.	
Gr.	G.	M.	S.	G.	M.	S.	G.	M.	S.	M.	S.	M.	S.	M.	S.	Gr.
0.	0.	0.	0	2.	29.	52	4.	59.	43	0.	0	5.	40	5.	40	30.
1	0.	5.	14	2.	34.	25	4.	22.	19	0.	14	5.	47	5.	34	29
2	0.	10.	28	2.	38.	50	4.	24.	49	0.	28	5.	54	5.	26	28
3	0.	15.	42	2.	43.	15	4.	27.	14	0.	42	6.	0	5.	17	27
4	0.	20.	55	2.	47.	37	4.	29.	34	0.	55	6.	5	5.	10	26
5	0.	26.	8	2.	51.	58	4.	31.	49	1.	9	6.	10	5.	1	25
6	0.	31.	20	2.	56.	12	4.	34.	0	1.	22	6.	14	4.	52	24
7	0.	36.	32	3.	0.	25	4.	36.	5	1.	36	6.	18	4.	42	23
8	0.	41.	43	3.	4.	34	4.	38.	6	1.	49	6.	21	4.	33	22
9	0.	46.	53	3.	8.	40	4.	40.	2	2.	2.	6.	24	4.	23	21
10	0.	52.	2	3.	12.	43	4.	41.	52	2.	14	6.	26	4.	13	20
11	0.	57.	10	3.	16.	42	4.	43.	37	2.	27	6.	29	4.	2	19
12	1.	2.	18	3.	20.	37	4.	45.	17	2.	40	6.	30	3.	51	18
13	1.	7.	24	3.	24.	28	4.	46.	52	2.	52	6.	32	3.	40	17
14	1.	12.	29	3.	28.	16	4.	48.	21	3.	5.	6.	33	3.	28	16
15	1.	17.	33	3.	32.	0	4.	49.	45	3.	17.	6.	33	3.	17	15
16	1.	22.	36	3.	35.	40	4.	51.	4	3.	28.	6.	33	3.	5	14
17	1.	27.	37	3.	39.	18	4.	52.	18	3.	40.	6.	32	2.	52	13
18	1.	32.	36	3.	42.	48	4.	53.	26	3.	51.	6.	30	2.	40	12
19	1.	37.	34	3.	46.	17	4.	54.	29	4.	2.	6.	29	2.	27	11
20	1.	42.	30	3.	49.	42	4.	55.	27	4.	13.	6.	26	2.	14	10
21	1.	47.	24	3.	53.	2	4.	56.	19	4.	23.	6.	24	2.	2	9
22	1.	52.	16	3.	56.	18	4.	57.	5	4.	33.	6.	21	1.	49	8
23	1.	57.	6	3.	59.	30	4.	57.	46	4.	42.	6.	18	1.	36	7
24	2.	1.	54	4.	2.	37	4.	58.	21	4.	52.	6.	14	1.	21	6
25	2.	6.	40	4.	5.	40	4.	58.	51	5.	1.	6.	10	1.	9	5
26	2.	11.	23	4.	8.	38	4.	59.	16	5.	10.	6.	5	0.	55	4
27	2.	16.	4	4.	11.	32	4.	59.	36	5.	17.	6.	0	0.	42	3
28	2.	20.	42	4.	14.	21	4.	59.	49	5.	24.	5.	54	0.	28	2
29	2.	25.	18	4.	17.	5	4.	59.	57	5.	30.	5.	47	0.	14	1
30	2.	29.	52	4.	19.	44	4.	59.	59	5.	40.	5.	40	0.	0	0
	11.			10.			9.			11.			10.		9.	
	5.			4.			3.			5.			4.		3.	

Latitudo maxima 5. 0. 0.

Adde.

Æquatio ☉ adde.

	0.	1.	2.	
	6.	7.	8.	
Gr.	G. M. S.	G. M. S.	G. M. S.	Gr.
0	0. 0. 0.	1. 25. 12	1. 26. 50	30
1	0. 13. 28	1. 27. 0	1. 25. 1	29
2	0. 6. 56	1. 28. 37	1. 23. 6	28
3	0. 10. 23	1. 30. 4	1. 21. 6	27
4	0. 13. 49	1. 31. 22	1. 19. 3	26
5	0. 17. 11	1. 32. 30	1. 16. 56	25
6	0. 20. 31	1. 34. 24	1. 14. 44	24
7	0. 23. 48	1. 35. 31	1. 12. 26	23
8	0. 27. 2	1. 36. 25	1. 10. 2	22
9	0. 30. 13	1. 37. 15	1. 7. 31	21
10	0. 33. 22	1. 37. 15	1. 4. 53	20
11	0. 36. 29	1. 37. 59	1. 2. 9	19
12	0. 39. 34	1. 38. 37	0. 59. 19	18
13	0. 42. 37	1. 39. 9	0. 56. 23	17
14	0. 45. 38	1. 39. 33	0. 53. 21	16
15	0. 48. 37	1. 39. 46	0. 50. 15	15
16	0. 51. 33	1. 39. 34	0. 47. 6	14
17	0. 54. 27	1. 39. 11	0. 43. 56	13
18	0. 57. 17	1. 38. 41	0. 40. 44	12
19	1. 0. 6	1. 38. 5	0. 37. 29	11
20	1. 2. 51	1. 37. 23	0. 34. 12	10
21	1. 5. 31	1. 36. 34	0. 30. 53	9
22	1. 8. 4	1. 35. 46	0. 27. 32	8
23	1. 10. 29	1. 34. 46	0. 24. 9	7
24	1. 12. 48	1. 34. 13	0. 20. 44	6
25	1. 15. 1	1. 33. 6	0. 17. 18	5
26	1. 17. 8	1. 33. 5	0. 13. 51	4
27	1. 19. 12	1. 33. 10	0. 10. 24	3
28	1. 21. 14	1. 33. 47	0. 6. 57	2
29	1. 23. 14	1. 34. 24	0. 3. 29	1
30	1. 25. 12	1. 26. 50	0. 0. 0	0
	11.	10.	9.	11
	5.	4.	3.	7

Subtrahe.

Subtrahe. Distantia Solis ab apogæo Lunæ.

Dist. Dæ fictæ à ☉e.	0. G.M.	5. G.M.	10. G.M.	15. G.M.	20. G.M.	25. G.M.	Dist. Dæ fictæ à ☉e.
6	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0
27	0. 3	0. 3	0. 3	0. 3	0. 3	0. 2	3
24	0. 7	0. 7	0. 7	0. 6	0. 6	0. 5	6
21	0.10	0.10	0.10	0. 9	0. 9	0. 8	9
18	0.14	0.14	0.13	0.13	0.12	0.11	12
15	0.18	0.18	0.17	0.16	0.15	0.14	15
12	0.22	0.22	0.21	0.20	0.18	0.17	18
9	0.25	0.25	0.24	0.23	0.22	0.20	21
6	0.29	0.29	0.28	0.27	0.26	0.24	24
3	0.34	0.34	0.33	0.31	0.30	0.28	27
5	0.38	0.38	0.37	0.36	2.34	0.32	1
27	0.43	0.43	0.42	0.41	0.39	0.36	3
24	0.47	0.47	0.46	0.45	0.43	0.41	6
21	0.52	0.52	0.51	0.50	0.48	0.45	9
18	0.57	0.57	0.56	0.54	0.52	0.50	12
15	1. 2	1. 2	1. 1	0.59	0.57	0.54	15
12	1. 8	1. 1	1. 7	1. 5	1. 2	0.59	18
9	1.13	1.13	1.12	1.10	1. 7	1. 4	21
6	1.19	1.19	1.11	1.16	1.13	1.10	24
3	1.25	1.25	1.24	1.22	1.19	1.15	27
4	1.31	1.31	1.30	1.27	1.24	1.20	2
27	1.37	1.37	1.36	1.33	1.30	1.26	3
24	1.43	1.43	1.42	1.39	1.35	1.31	6
21	1.49	1.49	1.48	1.45	1.41	1.37	9
18	1.54	1.54	1.53	1.50	1.47	1.43	12
15	2. 0	2. 0	1.59	1.56	1.53	1.49	15
12	2. 6	2. 6	2. 5	2. 2	1.58	1.54	18
9	2.11	2.11	2.10	2. 8	2. 4	1.59	21
6	2.17	2.27	2.16	1.14	2.10	2. 5	24
3	2.22	2.22	2.21	1.19	2.15	2.10	27
3	G.M.	G.M.	G.M.	G.M.	G.M.	G.M.	3
	6.	25.	20.	15.	10.	5.	

Adde. Distantia Solis ab apogæo Lunæ.

Subtrahe. Distantia Solis ab apogæo Lunæ.

Dist. ☽æ fictæ à ☉e.	1. G.M.	5. G.M.	10. G.M.	15. G.M.	20. G.M.	25. G.M.	Dist. ☽æ fictæ à ☉e.
6	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0
27	0. 0	0. 2	0. 1	0. 1	0. 1	0. 0	3
24	0. 2	0. 4	0. 3	0. 2	0. 1	0. 0	6
21	0. 5	0. 6	0. 5	0. 4	0. 2	0. 1	9
18	0.10	0. 8	0. 7	0. 5	0. 3	0. 2	12
15	0.12	0.10	0. 9	0. 7	0. 4	0. 3	15
12	0.15	0.13	0.11	0. 9	0. 6	0. 4	18
9	0.18	0.16	0.14	0.11	0. 7	0. 5	21
6	0.21	0.19	0.16	0.13	0. 9	0. 6	24
3	0.25	0.22	0.18	0.15	0.11	0. 7	27
5	0.29	0.26	0.22	0.18	0.13	0. 8	1
27	0.33	0.30	0.26	0.21	0.16	0.10	3
24	0.38	0.34	0.30	0.25	0.19	0.12	6
21	0.42	0.38	0.34	0.28	0.21	0.14	9
18	0.47	0.43	0.38	0.32	0.24	0.17	12
15	0.41	0.47	0.42	0.36	0.27	0.20	15
12	0.51	0.51	0.46	0.39	0.31	0.23	18
9	1. 0	0.56	0.50	0.43	0.35	0.27	21
6	1. 6	1. 1	0.55	0.47	0.39	0.31	24
3	1.11	1. 6	1. 0	0.52	0.54	0.53	27
4	1.16	1.11	1. 5	0.57	0.49	0.40	2
27	1.22	1.16	1.10	1. 2	0 49	0.45	3
24	1.27	1.22	1.15	1. 7	0.54	0.50	9
21	1.32	1.27	1.20	1.12	1. 4	0.55	6
18	1.38	1.32	1.25	1.17	1. 8	0.59	12
15	1.43	1.37	1.30	1.22	1.13	1. 4	15
12	1.49	1.42	1.35	1.27	1.18	1. 8	18
9	1.54	1.47	1.40	1.32	1.23	1.13	21
6	2. 0	1.53	1.45	1.37	1.28	1.18	24
3	2. 5	1.58	1.50	1 42	1.33	1.23	27
3	G.M.	G.M.	G.M.	G.M.	G.M.	G.M.	3
	5.	25.	20.	15.	10.	5.	

Adde. Distantia Solis ab apogæo Lunæ.

Subtrahe. Distantia Solis ab Apogæo Lunæ.

Dist. ☽æ fictæ à ☉e.	0. G.M.	5. G.M.	10. G.M.	15. G.M.	20. G.M.	25. G.M.	Dist. ☽æ fictæ à ☉e.
3	2.27	2.26	2.25	2.23	2.20	2.16	3
27	2.31	2.30	2.29	2.27	2.24	2.20	3
24	2.35	2.34	2.33	2.31	2.28	2.24	6
21	2.39	2.38	2.37	2.34	2.31	2.27	9
18	2.42	2.42	2.40	2.37	2.34	2.30	12
15	2.44	2.44	2.42	2.40	2.36	2.32	15
12	2.46	2.46	2.44	2.42	2.38	2.34	18
9	2.47	2.47	2.46	2.44	2.40	2.36	21
6	2.47	2.47	2.46	2.44	2.41	2.36	24
3	2.47	2.47	2.46	2.44	2.41	2.36	27
2	2.46	2.46	2.45	2.43	2.40	2.36	4
27	2.44	2.44	2.43	2.41	2.38	2.35	3
24	2.42	2.41	2.40	2.38	2.35	2.32	6
21	2.39	2.38	2.37	2.35	2.33	2.29	9
18	2.25	2.34	2.33	2.31	2.29	2.25	12
15	2.29	2.29	2.28	2.26	2.24	2.21	15
12	2.24	2.24	2.23	2.21	2.19	2.15	18
9	2.18	2.18	2.17	2.15	2.13	2.10	21
6	2.11	2.11	2.10	2. 8	2. 6	2. 3	24
3	2. 3	2. 3	2. 2	2. 0	1.58	1.55	27
1	1.54	1.54	1.53	1.52	1.50	1.47	5
27	1.45	1.44	1.44	1.43	1.41	1.38	3
24	1.35	1.34	1.33	1.32	1.31	1.29	9
21	1.24	1.23	1.22	1.22	1.21	1.19	6
18	1.13	1.12	1.11	1.11	1.10	1. 9	12
15	1. 1	1. 1	1. 0	1. 0	0.59	0.58	15
12	0.50	0.50	0.49	0.48	0.48	0.47	18
9	0.38	0.38	0.37	0.36	0.36	0.35	21
6	0.25	0.25	0.25	0.24	0.24	0.24	24
3	0.13	0.13	0.13	0.12	0.12	0.12	27
0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	6
	G.M.	G.M.	G.M.	G.M.	G.M.	G.M.	
	6.	25.	20.	15.	10.	5.	

Adde. Distantia Solis ab Apogæo Lunæ. H

Subtrahe. Distantia Solis ab Apogæo Lunæ.

Dist. Væ hæ ab Apoc.	1. G.M.	5. G.M.	10. G.M.	15. G.M.	20. G.	25. G.M.	Dist. Væ hæ ab Apoc.
3	2.19	2. 3	1.55	1.46	1.37	1.27	3
27	2.15	2. 8	2. 0	1.51	1.42	1.32	3
24	2.18	2.11	2. 4	1.55	1.46	1.36	6
21	2.22	2.15	2. 7	1.59	1.50	1.40	9
18	2.24	2.17	2.10	2. 2	1.53	1.43	12
15	2.27	2.20	2.14	2. 5	1.56	1.46	15
12	2.29	2.22	2.15	2. 7	1.58	1.48	18
9	2.31	2.24	2.17	2. 9	2. 0	1.50	21
6	2.31	2.25	2.18	2.10	2. 1	1.51	24
3	2.31	2.25	2.18	2.10	2. 2	1.52	27
0	2.31	2.25	2.18	2.10	2. 2	1.53	4
27	2.30	2.24	2.17	2. 9	2. 1	1.52	3
24	2.27	2.21	2.14	2. 7	1.59	1.51	6
21	2.24	2.18	2.12	2. 5	1.57	1.49	9
18	2.20	2.14	2. 8	2. 2	1.55	1.47	12
15	2.16	2.10	2. 4	1.58	1.51	1.44	15
12	2.11	2. 6	2. 1	1.55	1.48	1.40	18
9	2. 6	2. 1	1.56	1.50	1.43	1.35	21
6	1.59	1.55	1.50	1.44	1.38	1.31	24
3	1.52	1.48	1.43	1.38	1.32	1.26	27
0	1.44	1.40	1.36	1.31	1.26	1.20	5
27	1.35	1.32	1.28	1.24	1.19	1.14	3
24	1.26	1.23	1.20	1.17	1.13	1. 8	6
21	1.17	1.15	1.12	1. 9	1. 5	1. 1	9
18	1. 7	1. 5	1. 3	1. 0	0.57	0.53	12
15	0.57	0.55	0.53	0.51	0.48	0.45	15
12	0.46	0.45	0.43	0.41	0.39	0.37	18
9	0.34	0.34	0.32	0.32	0.30	0.28	21
6	0.23	0.23	0.22	0.21	0.20	0.19	24
3	0.11	0.11	0.11	0.10	0.10	0.10	27
0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	6
	G.M.	G.M.	G.M.	G.M.	G.M.	G.M.	0
	5.	25.	20.	15.	10.	5.	

Adde. Distantia Solis ab Apogæo Lunæ.

Dist. Ex.	Dz	2.	5.	10.	15.	20.	25.	Dist. Ex.	Dz
		G.M.	G.M.	G.M.	G.M.	G.M.	G.M.		
6	0	0 0	0. 0	0. 0	0. 0	0. 0	0. 0	12	0
27	2	0	0. 1	0. 1	0. 2	0. 3	0. 3	27	3
24	6	0. 1	0. 2	0. 3	0. 4	0. 5	0. 6	24	6
21	9	0. 1	0. 3	0. 4	0. 6	0. 8	0. 10	21	9
18	12	0. 1	0. 3	0. 5	0. 8	0. 10	0. 13	18	12
15	15	0. 1	0. 4	0. 7	0. 10	0. 13	0 16	15	15
12	18	0. 1	0. 4	0. 8	0. 11	0. 15	0. 19	12	18
9	21	0 0	0. 4	0. 9	0 13	0. 17	0. 22	2	21
6	24	0.	0. 5	0. 10	0. 15	0. 20	0 25	6	24
3	27	0.	0. 5	0. 10	0. 15	0. 21	0. 27	3	27
5	1	0.	0. 4	0. 10	0. 16	0. 22	0. 29	11	1
27	3	0. 1	0. 3	0. 10	0. 16	0. 23	0. 30	27	3
24	6	0.	0. 1	0. 9	0. 16	0. 23	0. 31	24	6
21	9	0. 8	10. 1	0. 7	0. 16	0. 24	0. 32	21	9
18	12	0. 10	10. 1	0. 6	0. 15	0. 23	0. 32	1	12
15	15	0. 12	10. 1	0. 4	0. 14	0. 23	0. 32	15	15
12	18	0. 16	10. 0	0. 2	0 12	0. 22	0. 31	12	18
9	21	0. 19	0. 19	0.	0. 10	0. 20	0. 30	9	21
6	24	0. 22	10 13	0.	0. 8	0. 18	0. 28	6	24
3	27	0. 2	10. 17	0.	0. 5	0. 16	0. 27	3	27
4	2	0. 31	0. 21	0. 10	0. 3	0. 14	0. 25	10	2
27	3	0. 36	10. 25	0. 14	0. 2	0. 11	0. 22	27	3
24	6	0. 40	10. 29	0. 18	0. 6	0. 7	0. 18	24	6
21	9	0. 43	0. 34	0. 22	0. 10	0. 3	0. 15	21	9
18	12	0. 49	0. 38	0. 26	0. 14	0. 1	0. 11	18	12
15	15	0. 54	0. 43	0. 31	0. 18	0. 6	0. 7	15	15
12	18	0. 58	0. 47	0. 35	0. 23	0. 10	0. 4	12	18
9	21	1. 2	0. 51	0. 39	0. 27	0. 14	0. 2	9	21
6	24	1. 7	0. 55	0. 43	0. 31	0 18	0. 5	6	24
3	27	1. 12	1. 0	0 48	0. 35	0. 22	0. 9	3	27
3	3	1. 16	1. 4	0. 52	0 40	0. 27	0. 14	9	3
		G.M.	G.M.	G.M.	G.M.	G.M.	G.M.		
		4.	25.	20.	15.	10.	5.		

Subtrahe. Distantia Solis ab Apogæo Lunæ.

Dist. Dæ fictæ à ☉.		3. G.M.	5. G.M.	10. G.M.	15. G.M.	20. M.G.	25. G.M.	4. G.M.	Diff.
6	0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	12
27	3	0. 4	0. 5	0. 6	0. 7	0. 7	0. 8	0. 9	27
24	6	0. 8	0.10	0.11	0.13	0.14	0.16	0.17	24
21	9	0.13	0.15	0.17	0.20	0.22	0.24	0.26	21
18	12	0.16	0.19	0.22	0.26	0.29	0.31	0.34	18
15	15	0.20	0.24	0.27	0.31	0.35	0.38	0.41	15
12	18	0.23	0.28	0.32	0.36	0.40	0.44	0.48	21
9	21	0.27	0.32	0.37	0.41	0.46	0.50	0.55	9
6	24	0.30	0.35	0.41	0.46	0.51	[illegible]	1	6
3	27	0.33	0.39	0.45	0.51	0.56	1. 2	1. 7	3
5	1	0.35	0.42	0.48	0.55	1. 1	1. 7	1.13	11
27	3	0.37	0.44	0.51	0.58	1. 5	1.12	1.18	27
24	6	0.39	0.47	0.53	1. 2	1. 9	1.16	1.23	24
21	9	0.40	0.48	0.56	1. 4	1.12	1.20	1.27	21
18	12	0.40	0.49	0.58	1. 6	1.14	1.23	1.31	18
15	15	0.41	0.50	0.59	1. 8	1.17	1.25	1.33	15
12	18	0.40	0.50	0.59	1. 9	1.18	1.27	1.35	12
9	21	0.40	0.49	0.59	1. 9	1.19	1.28	1.37	9
6	24	0.39	0.49	0.59	1. 9	1.19	1.28	1.38	6
3	27	0.37	0.47	0.58	1. 8	1.18	1.28	1.38	3
4	2	0.35	0.46	0.57	1. 7	1.18	1.28	1.38	10
27	3	0.33	0.44	0.55	1. 6	1.17	1.27	1.37	27
24	6	0.30	0.42	0.53	1. 4	1.15	1.26	1.36	24
21	9	0.27	0.39	0.50	1. 2	1.13	1.24	1.34	21
18	12	0.24	0.36	0.47	0.59	1.10	1.21	1.32	18
15	15	0.20	0.32	0.44	0.56	1. 7	1.18	1.29	15
12	18	0.16	0.29	0.41	0.53	1. 4	1.15	1.26	12
9	21	0.12	0.25	0.37	0.49	1. 1	1.12	1.23	9
6	24	0. 8	0.21	0.33	0.45	0.57	1. 8	1.19	6
3	27	0. 4	0.17	0.29	0.41	0.53	1. 4	1.15	3
3	3	0. 0	0.12	0.24	0.36	0.48	1. 0	1.11	9
		G.M.	G.M.	G.M.	G.M.	G.M.	G.M.	G.M.	
		3.	25.	20.	15.	10.	5.	2.	

Adde. Distantia Solis ab Apogæo Lunæ.

Subtrahe. Distantia Solis ab Apogæo Lunæ.

Dif.	D	2.	5.	10.	15.	20.	25.	Dif.	D
		G. M.	G. M.	G. M.	G. M.	G. M.	G. M.		
3	3	1.16	1. 4	0.52	0.40	0.27	0.14	3	3
27	3	1.21	1. 9	0.57	0.44	0.33	0.20	27	3
24	6	1.25	1.13	1. 1	0.48	0.35	0.23	24	6
21	9	1.29	1.17	1. 5	0.52	0.39	0.26	21	9
18	12	1.32	1.21	1. 9	0.56	0.42	0.29	18	12
15	15	1.35	1.24	1.12	0.59	0.46	0.33	15	15
12	18	1.37	1.26	1.14	1. 2	0.48	0.37	12	18
9	21	1.39	1.28	1.17	1. 5	0.52	0.40	9	21
6	24	1.41	1.30	1.18	1. 7	0.55	0.43	6	24
3	27	1.42	1.31	1.20	1. 9	0.57	0.45	3	27
2	4	1.43	1.32	1.20	1.10	0.51	0.47	8	10
27	3	1.42	1.32	1.22	1.11	1. 0	0.48	27	3
24	6	1.42	1.32	1.22	1.11	1. 0	0.50	24	6
21	9	1.41	1.31	1.21	1.11	1. 1	0.50	21	9
18	12	1.38	[illegible]	1.20	1.11	1. 1	0.51	18	12
15	15	1.36	1.27	1.19	1.10	1. 0	0.50	15	15
12	18	1.32	1.24	1.16	1. 8	0.59	0.50	12	18
9	21	1.28	1.21	1.13	1. 5	0.57	0.49	9	21
6	24	[illegible]	1.17	1.10	1. 3	0.55	0.47	6	24
3	27	1.20	1.13	1. 6	0.59	0.52	0.44	3	27
1	5	1.14	1. 8	1. 2	0.56	0.49	0.42	7	11
27	3	1. 9	1. 3	0.57	0.51	0.45	0.39	27	3
24	6	1. 3	0.58	0.52	0.47	0.41	0.36	24	6
21	9	0.56	0.52	0.47	0.42	0.37	0.32	21	9
18	12	0.49	0.45	0.41	0.37	0.32	0.28	18	12
15	14	0.42	0.38	0.35	0.31	0.27	0.24	15	14
12	18	0.34	0.31	0.28	0.25	0.22	0.19	12	18
9	21	0.26	0.24	0.22	0.19	0.17	0.15	9	21
6	24	0.18	0.17	0.15	0.13	0.12	0.10	6	24
3	27	0. 9	0. 9	0. 8	0. 7	0. 6	0. 5	3	27
0	0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0	12
		G. M.	G. M.	G. M.	G. M.	G. M.	G. M.		
		4.	25.	20.	15.	10.	5.		

Adde. Distantia Solis ab Apogæo Lunæ.

Subtrahe. Distantia Solis ab Apogæo Lunæ.

Dist. ☽ a ☉		3. G.M.	5. G.M.	10. G.M.	15. G.M.	20. G.M.	25. G.M.	4. G.M.	Dist. ☽ a ☉
3	3	0. 0	0.12	0.24	0.36	0.48	1. 0	1.11	9
27	3	0. [illegible]	0. 8	0.20	0.32	0.43	1.55	1. 6	27
24	6	0. 8	0. 4	0.15	0.27	0.38	1.50	1. 1	24
21	9	0.13	0. 0	0.11	0.22	0.34	1.45	0.56	21
18	12	0.17	0. 4	0. 8	0.19	0.30	1.41	0.52	18
15	15	0.20	0. 8	0. 4	0.15	0.26	1.37	0.48	15
12	18	0.24	0.12	0. 1	0.12	0.23	1.33	0.43	12
9	21	0.27	0.15	0. 2	0. 9	0.19	1.29	0.39	9
6	24	0.30	0.18	0. 5	0. 6	0.15	1.25	0.35	6
3	27	0.33	0.21	0. 8	0. 3	0.12	1.22	0.31	3
2	4	0.35	0.23	0.11	0. 0	0. 9	1.19	0.18	8
27	12	0.37	0.26	0.14	0. 3	0. 6	1.14	0.22	27
24	15	0.39	0.28	0.17	0. 7	0. 2	1.10	0.18	24
21	18	0.40	0.29	0.19	0. 9	0. 0	1. 8	0.15	21
18	21	0.40	0.30	0.20	0.11	0. 2	1. 6	0.13	18
15	24	0.41	0.31	0.21	0.12	0. 4	1. 4	0.11	15
12	27	0.40	0.31	0.22	0.14	0. 6	1. 2	0. 9	12
9	3	0.40	0.31	0.23	0.15	0. 7	[illegible]	0. 7	9
6	9	0.39	0.31	0.23	0.15	0. 8	0. [illegible]	0. 5	6
3	9	0.37	0.30	0.23	0.16	0. 9	0. 2	0. 4	3
1	5	0.35	0.29	0.22	0.15	0. 9	0. 3	0. 2	7
27	12	0.33	0.27	0.21	0.15	0. 9	0. 4	0. 1	27
24	15	0.30	0.25	0.20	0.14	0. 9	0. 4	0. 0	24
22	18	0.27	0.23	0.18	0.13	0. 8	0. 4	0. 0	21
18	21	0.24	0.20	0.16	0.12	0. 8	0. 4	0. 0	18
15	24	0.20	0.17	0.14	0.11	0. 7	0. 4	0. 1	15
12	27	0.16	0.14	0.11	0. 9	0. 6	0. 3	0. 1	12
9	3	0.13	0.11	0. 9	0. 7	0. 5	0. 2	0. 0	9
6	6	0. 8	0. 7	0. 6	0. 5	0. 4	0. 2	0. 0	6
3	9	0. 4	0. 4	0. 3	0. 2	0. 2	0. 1	0. 0	3
0	6	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0
		G.M.	G.M.	G.M.	G.M.	G.M.	G.M.	G.M.	
		3.	25.	20.	15.	10.	5.	2.	

Adde. Distantia Solis ab Apogæo Lunæ.

Subtrahe. Distantia Solis ab Apogæo Lunæ.

Dist. ☽ æ sictæ à ☉ e.	5. G.M.	10. G.M.	15. G.M.	20. G.M.	25. G.M.	5. G.M.	Dist. ☽ æ sictæ à ☉ e.
6	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	12
3	0.10	0.10	0.11	0.11	0.11	0.12	27
6	0.19	0.20	0.21	0.22	0.23	0.32	24
9	0.28	0.30	0.31	0.33	0.34	0.35	21
12	0.36	0.38	0.40	0.43	0.45	0.46	18
15	0.44	0.47	1.50	0.53	0.55	0.56	15
18	0.52	0.55	0.58	1. 1	1. 4	1. 6	12
21	0.59	1. 3	1. 6	1.10	1.13	1.16	9
24	1. 6	1.10	1.14	1.18	1.22	1.25	6
27	1.13	1.17	1.22	1.26	1.30	1.34	3
7	1.18	1.24	1.29	1.34	1.38	1.42	11
3	1.24	1.30	1.36	1.41	1.46	1.50	27
6	1.29	1.36	1.32	1.48	1.53	1.57	24
9	1.34	1.41	1.47	1.53	1.59	2. 3	21
12	1.37	1.45	1.53	1.59	2. 4	2. 8	18
15	1.40	1.48	1.56	2. 3	2. 8	2.13	15
18	1.43	1.51	1.59	2. 6	2.12	2.17	12
21	1.45	1.54	2. 2	2. 9	2.15	2.21	9
24	1.47	1.55	2. 3	2.10	2.17	2.23	6
27	1.47	1.56	2. 4	2.12	2.19	2.25	3
8	1.47	1.56	2. 5	2.13	2.20	2.26	10
3	1.46	1.56	2. 5	2.13	2.20	2.27	27
6	1.45	1.55	2. 4	2.12	2.19	2.26	24
9	1 44	1.54	2. 3	2.11	2.18	2.25	21
12	1.42	1.52	2. 1	2. 9	2.16	2.23	18
15	1.39	1.49	1.58	2. 7	2.14	2.21	15
18	1.36	1.46	1.55	2. 3	2.12	2.19	12
21	1.33	1.43	1.52	2. 1	2. 9	2.16	9
24	1.29	1.39	1.48	1.57	2. 5	2.12	6
27	1.25	1.35	1.44	1.53	2. 1	2. 8	3
9	1.21	1.31	1.40	1.49	1.57	2. 4	9
	G.M.	G.M.	G.M.	G.M.	G.M.	G.M.	
	25.	20.	15.	10.	5.	0.	

Adde. Distantia Solis ab Apogæo Lunæ.

Subtrahe. Distantia Solis ab Apogeo Lunae.

Dist. ☉ fictae à 0 c.	5. G.M.	10. G.M.	15. G.M.	20. G.M.	25. G.M.	6. M.G.	Dist. ☽ fictae à 0 c.
0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	12
3	0.12	0.12	0.13	0.13	0.13	0.13	27
6	0.24	0.25	0.25	0.25	0.25	0.25	24
9	0.36	0.36	0.37	0.37	2.38	0.38	21
12	0.47	0.48	0.49	0.49	0.50	0.50	18
15	0.58	0.59	1. 0	1. 0	1. 1	1. 1	15
18	1. 8	1.10	1.11	1.12	1.13	1.13	12
21	8.19	1.21	1.22	1.23	1.24	1.24	9
24	1.28	1.30	1.32	1.33	1.34	1.34	6
27	1.37	1.40	1.42	1.43	1.44	1.45	3
7	1.46	1.49	1.51	1.52	1.53	1.54	11
3	1.54	1.57	1.59	2. 1	2. 2	2. 3	27
6	2. 1	2. 4	2. 7	2. 9	2.10	2.11	24
9	2. 7	2.11	2.14	2.16	2.17	2.18	21
12	2.13	2.17	2.20	2.22	2.23	2.24	18
15	2.18	2.22	2.25	2.27	2.29	2.30	15
18	2.22	2.26	2.29	2.32	2.34	2.35	12
21	2.26	2.30	2.33	2.26	2.38	2.39	9
24	2.28	3.33	2.36	2.39	2.41	2.42	6
27	2.30	2.35	2.39	2.42	2.44	2.45	3
8	2.32	2.36	2.41	2.44	2.45	2.46	10
3	2.33	2.37	2.41	2.44	2.46	2.47	27
6	2.32	2.37	2.41	2.44	2.46	2.47	24
9	2.31	2.36	2.40	1.44	2.46	2.47	21
12	2.29	2.35	2.39	2.43	2.45	2.46	28
15	2.27	2.33	2.37	2.41	2.43	2.44	15
18	2.25	2.31	2.35	2.39	2.41	2.42	12
21	2.22	2.27	2.32	2.36	2.38	2.39	9
24	2.18	2.23	2.28	2.32	2.34	2.35	6
27	2.14	2.19	2.24	2.32	2.30	2.31	3
9	2.10	2.15	2.19	2.23	2.26	2.27	9
	G.M.	G.M.	G.M.	G.M.	G.M.	G.M.	
	25.	20.	15.	10.	5.	0.	

Adde. Distantia Solis ab Apogeo Lunae.

Subtrahe. Distantia Solis ab Apogæo Lunæ.

Diff. Æquat.	5.	10.	15.	20.	25.	5.	Diff. Æquat.
	G.M.	G.M.	G.M.	G.M.	G.M.	M.G.	
9	1.21	1.31	1.40	1.49	1.57	2. 4	9
3	1.16	1.26	1.35	1.44	1.52	1.59	27
6	1.11	1.21	1.30	1.39	1.47	1.54	24
9	1.06	1.16	1.25	1.34	1.42	1.49	21
12	1. 2	1.12	1.21	1.29	1.37	1.44	18
15	0.58	1. 7	1.16	1.24	1.32	1.39	15
18	0.53	1. 2	1.11	1.19	1.27	1.33	12
21	0.48	0.58	1. 7	1.15	1.22	1.28	9
24	0.44	0.53	1. 2	1.10	1.17	1.22	6
27	0.40	0.49	0.57	1. 5	1.12	1.17	3
10	0.36	0.44	0.52	0.59	1. 6	1.12	8
3	0.31	0.39	0.47	0.54	1. 1	1. 7	27
6	0.27	0.35	0.42	0.49	0.56	1. 1	24
9	0.23	0.31	0.38	0.45	0.51	0.56	21
12	0.21	0.28	0.35	0.41	0.47	0.52	18
15	0.18	0.25	0.32	0.37	0.42	0.47	15
18	0.16	0.23	0.29	0.34	0.39	0.44	12
21	0.14	0.20	0.26	0.31	0.36	0.40	9
24	0.11	0.17	0.23	0.28	0.32	0.36	6
27	0. 9	0.15	0.20	0.24	0.28	0.32	3
11	0. 7	0.12	0.17	0.21	0.25	0.28	7
3	0. 6	0.10	0.15	0.18	0.22	0.25	27
6	0. 5	0. 9	0.12	0.16	0.19	0.22	24
9	0. 4	0. 7	0.10	0.13	0.16	0.18	21
12	0. 3	0. 6	0. 9	0.11	0.13	0.15	28
15	0. 2	0. 5	0. 7	0. 9	0.11	0.13	15
18	0.12	0.14	0. 6	0. 7	0. 9	0.10	12
21	0. 1	0. 3	0. 4	0. 5	0. 6	0. 7	9
24	0. 1	0. 2	0. 3	0. 3	0. 4	0. 5	6
27	0. 0	0. 1	0. 1	0. 2	0. 2	0. 3	3
12	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	61
	G.M.	G.M.	G.M.	G.M.	G.M.	G.M.	
	25.	20.	15.	10.	5.	1	

Adde. Distantia Solis ab Apogæo Lunæ. 1

Subtrahe. Distantia Solis ab apogaeo Lunae.

Dist. ☽ae ficta à ☉e.	5. G.M.	10. G.M.	15. G.M.	20. G.M.	20. G.M.	6. G.M.	Dist. ☽ae ficta à ☉e.
9	2.10	2.15	2.19	2.23	2.26	2.27	9
3	2. 5	2.11	2.15	2.18	2.21	2.22	27
6	2. 0	2. 6	2.10	2.13	2.15	2.17	24
9	1.55	2. 0	2. 4	2. 7	2. 9	2.11	21
12	1.50	1.55	1.59	2. 2	2. 4	2. 6	18
15	1.44	1.49	1.53	1.56	1.59	2. 0	15
18	1.38	1.43	1.47	1.51	1.53	1.54	12
21	1.33	1.38	1.42	1.46	1.48	1.49	9
24	1.27	1.32	1.36	1.40	1.42	1.43	6
27	1.22	1.27	1.31	1.34	1.36	1.37	3
10	1.17	1.21	1.25	1.28	1.30	1.31	8
3	1.11	3.15	1.19	1.22	1.24	1.25	27
6	1. 6	1.10	1.14	1.17	1.18	1.19	24
9	1. 1	1. 5	1. 8	1.11	1.12	1.13	21
12	0.56	1. 0	1. 3	1. 5	1. 7	1. 8	18
15	0.52	1.56	0.58	1. 0	1. 2	1. 2	15
18	0.48	0.51	0.54	0.56	0.57	0.57	12
21	0.44	0.47	0.49	0.51	0.52	0.52	9
24	0.39	0.42	0.44	0.46	0.47	0.47	6
27	0.35	0.38	0.40	0.41	0.42	0.43	3
11	0.31	0.33	0.35	0.37	0.38	0.38	7
3	0.27	0.29	0.31	0.32	0.33	0.34	27
6	0.24	0.26	0.27	0.28	0.29	0.30	24
9	0.20	0.22	0.23	0.24	0.25	0.25	21
12	0.17	0.18	0.19	0.20	0.21	0.22	18
15	0.14	0.15	0.16	0.17	0.18	0.18	15
18	0.11	0.12	0.12	0.13	0.14	0.14	12
21	0. 8	0. 9	0. 9	0.10	0.10	0.10	9
24	0. 5	0. 6	0. 6	0. 7	0. 7	0. 7	6
27	0. 3	0. 3	0. 3	0. 3	0. 3	0. 3	3
12	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	6
	G.M.	G.M.	G.M.	G.M.	G.M.	G.M.	
	25.	20	15.	10.	5.	0.	

Adde. Distantia Solis ab apogaeo Lunae.

Tabula Keplerii exhibens portionem latitudinis Lunae menstruam.

Borealis.	Distantia Solis a ☊ Dæ.									
	S. G.	S. G.	S. G.	S. G.	S. G.	S. G.	S. G.	S. G.	S. G.	S. G.
Distantia veri loci.	12. 0	11.13	11. 3	10.26	10.23	10.16	10.12	10. 8	10. 4	10. 0
	0. 0	0.19	0.27	1. 3	1. 9	1.14	1.18	1.22	1.26	2. 0
S. G. S. G.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.
6. 0 6. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
5. 24 0. 6	2. 0	1.53	1.47	1.40	1.33	1.27	1.20	1.13	1. 7	1. 0
5. 17 0. 13	4. 0	3.47	3.33	3.20	3. 7	2.53	2.40	2.27	2.13	2. 0
5. 10 0. 19	6. 0	5.40	5.20	5. 0	4.40	4.20	4. 0	3.40	3.20	3. 0
5. 4 0. 26	8. 0	7.33	7. 7	6.40	6.13	5.47	5.10	4.53	4.27	4. 0
4. 26 1. 4	10. 0	9.27	8.53	8.20	7.47	7.13	6.40	6. 7	5.33	5. 0
4. 18 1. 12	12. 0	11.20	10.40	10. 0	9.20	8.40	8. 0	7.20	6.46	6. 0
4. 9 1. 21	14. 0	13.13	12.27	11.40	10.53	10. 7	9.20	8.33	7.47	7. 0
3. 27 2. 3	16. 0	15. 7	14.13	13.20	12.27	11.33	10.40	9.47	8.53	8. 0
3. 0 3. 0	18. 0	17. 0	16. 0	15. 0	14. 0	13. 0	12. 0	11. 0	10. 0	9. 0
S. G. S. G.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.
Lunæ à Sole	6. 0	5.11	5. 3	4.26	4.21	4.16	4.12	4. 8	4. 4	4. 0
	6. 0	6.19	6.27	7. 3	7. 9	7.14	7.18	7.22	7.26	8. 0
	S. G.	S. G.	S. G.	S. G.	S. G.	S. G.	S. G.	S. G.	S. G.	S. G.
Australis.	Distantia Solis a ☊ Dæ.									

Tabula Kepleri exhibens portionem latitudinis Lunæ menstruam.

Distantia Solis a ☊ ☽æ.

S. G.	S. G.	S. G.	S. G.	S. G.	S. G.	S. G.	S. G.	S. G.	S. G.
10. 0	9. 26	9.23	9.19	9.16	9.13	9.10	9. 6	9. 3	9. 0
2. 0	2. 4	2. 7	2.10	2.14	2.17	2.20	2.24	2.27	3. 0
M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.
0. 0	0. 0	0. 0	0 0.	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
1. 0	0.53	0.47	0.40	0.33	0.27	0.20	0.13	0. 7	0. 0
2. 0	1.47	1.33	1.20	1. 7	0.53	0.40	0.27	0.13	0. 0
3. 0	2.40	2.20	2. 0	1.40	1.20	1. 0	0.40	0.20	0. 0
4. 0	3.33	3. 7	2.40	2.13	1.47	1.20	0.53	0.27	0. 0
5. 0	4.27	3.53	3.20	2.47	2.13	1.40	1. 7	0.33	0. 0
6. 0	5.20	4.40	4. 0	3.20	2.40	2. 0	1.20	0.40	0. 0
7. 0	6.13	5.27	4.00	3.53	3. 7	2.20	1.33	0.47	0. 0
8. 0	7. 7	6.13	5.20	4.27	3.33	2.40	1.47	0.53	0. 0
9. 0	8. 0	7. 0	6. 0	5. 0	4. 0	3. 0	2. 0	1. 0	0. 0
M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.	M. S.
4. 0	3.23	3.26	3.19	3.16	3.13	3.10	3. 6	3. 3	3. 0
8. 0	8. 4	8. 7	8.10	8.14	8.17	8.20	8.24	8.27	9. 0
S. G.	S. G.	S. G.	S. G.	M. S.	S. G.	S. G.	S. G.	S. G.	S. G

Distantia Solis a ☊ ☽æ.

Australis.

Distantia veri loci.

S. G	S. G.
12. 0	5. 0
11.24	6. 8
11.17	6. 13
11.10	6. 19
11. 4	6. 26
10.26	7. 4
10.18	7. 12
10. 9	7. 21
9.27	8. 3
9. 0	9. 0
S. G.	S G.

Lunæ à Sole.

Borealis.

Tabula veræ æquationis Temporis pro Planetis omnibus; constructa ad annum 1650. aptior ad annos 20 ante & post.

Gr.	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
	A	S	S	A	A	A	S	S	S	A	A	A
0	8′.	1′.	4′.	1′.	6′.	2′.	8′.	16′	14′	1′.	12′	15′
1	7	1	4	1	5	1	9	16	13	Ao	12	15
2	7	1	4	1	5	1	9	16	13	0	12	15
3	7	1	4	2	5	1	9	16	13	1	13	15
4	6	2	4	2	5	1	10	16	12	1	13	14
5	6	2	4	2	5	0	10	16	12	1	13	14
6	6	2	3	2	5	0	10	16	12	2	14	14
7	5	2	3	3	5	So	10	17	11	2	14	14
8	5	2	3	3	5	0	11	17	11	3	14	14
9	5	3	3	3	5	1	11	17	11	3	14	14
10	5	3	3	3	5	1	11	17	10	4	14	13
11	4	3	3	3	5	1	12	16	10	4	14	13
12	4	3	3	3	5	2	12	16	10	4	15	13
13	4	3	2	4	5	3	12	16	9	5	15	13
14	3	3	2	4	5	3	13	16	9	5	15	12
15	3	3	2	4	5	3	13	16	9	6	15	12
16	3	4	2	4	5	3	13	16	8	6	15	12
17	2	4	2	4	4	4	13	16	8	7	15	12
18	2	4	2	4	4	4	14	16	7	7	15	11
19	2	4	1	5	4	4	14	16	6	8	15	11
20	2	4	1	5	4	4	14	16	6	8	15	11
21	1	4	1	5	4	5	14	16	5	9	15	11
22	1	4	1	5	4	5	15	15	5	9	15	10
23	1	4	1	5	3	5	15	15	4	10	15	10
24	0	4	0	5	3	6	15	15	4	10	15	10
25	0	4	0	5	3	6	15	15	3	10	15	9
26	So	4	Ao	5	3	6	15	15	3	11	15	9
27	0	4	0	5	3	7	16	14	2	11	15	9
28	0	4	0	5	2	7	16	14	2	11	15	8
29	1	4	1	5	2	8	16	14	1	12	15	8
30	1	4	1	6	2	8	16	14	1	12	15	8

USUS.

Quære signum Solis in fronte, & gradum in margine sinistro; & in angulo communi invenies minuta horæ, addenda aut subtrahenda tempori vero seu oppărenti, juxta litteras A & S in fronte positas ut fiat tempus medium: advertendo tamen ad litterarum mutationem in area Tabulæ. At quando tempus medium in verum erit convertendum, tunc contrarium erit faciendum, quam litteræ significant; ut prodeat tempus verum.

Tabula fixarum ad annum 1650. ex observationibus Tychonicis. Quarum Virginis principio præcedunt Meridianum circuli.

Nomina fixarum.	Longit.	Latit.	M.	Natura.
Pectus Cassiopeæ.	2. 59 ♉	46. 35. S	3	♄ ♀
Cauda Ceti.	27. 38. ♓	20. 47. M	3	
Austr. cinguli Andrō. Mirach.	25. 31. ♈	25. 59. S	2	
Sinister pes Andromedæ.	9. 21. ♉	27. 46. S	2	
Lucida in fronte Arietis. *	2. 48. ♉	9. 57. S	3	♂
Lucida mandibula Ceti. *	9. 29. ♉	12. 37. M	2	
Caput Medusæ.	21. 39. ♉	22. 22. S	3	♄ ☿
Persei latus dextrum.	26. 59. ♉	30. 5. S	2	♄ ☿
Oculus Tauri.	4. 54. ♊	5. 31. M	1	
Hircus.	14. 58. ♊	22. 50. S	1	
Sinister pes Orionis.	11. 59. ♊	31. 11. M	1	
Dexter talus Aurigæ. *	17. 41. ♊	5. 20. S	2	
Sinister humerus Orionis.	16. 5. ♊	16. 53. M	2	
Lucida humeri dextri Aurigæ.	16. 34. ♊	21. 27. S	2	
Dexter humerus Orionis.	23. 54. ♊	16. 6. M	2	
Lucida pedis sinistri ♊. *	4. 13. ♋	6. 48. M	2	♀
Canis major.	9. 17. ♋	39. 30. M	1	
Castor.	15. 23. ♋	10. 2. S	2	♄
Canicula.	21. 0. ♋	15. 57. M	2	
Pollux. *	18. 25. ♋	6. 38. S	2	
Cor Hydræ.	22. 27. ♌	22. 24. M	1	
Cor Leonis. *	24. 59. ♌	0. 26. S	1	
Plaustri præcedens borealior.	10. 16. ♌	49. 40. S	2	
Cauda Leonis.	16. 41. ♍	12. 18. S	1	♄
Ala ♍ vindemiatrix.	5. 5. ♎	16. 13. S	3	♄
Spica Virginis. *	18. 58. ♎	1. 59. M	1	
Cauda versæ majoris.	21. 54. ♍	54. 25. S	2	
Arcturus.	19. 21. ♎	31. 2. S	1	
Lucida Lancis Boreæ. *	24. 46. ♏	8. 35. S	2	
Lucida coronæ Gnosiæ.	7. 20. ♏	44. 23. S	2	
Media colli Ophiuchi.	17. 12. ♏	35. 35. S	2	♄
Cor Scorpij. *	4. 55. ♐	4. 27. M	1	♂
Caput Herculis.	12. 13. ♐	37. 23. S	3	
Lucida Lyræ.	19. 25. ♑	61. 47. S	1	
Rostrum Cygni.	26. 28. ♑	49. 2. S	3	
Aquila.	26. 51. ♑	29. 21. S	2	
Cauda Cygni.	9. 35. ♒	59. 56. S	2	
Lucida colli Pegasi.	11. 21. ♒	19. 41. S	3	
Fomahant.	28. 53. ♒	21. 0. M	1	
Caput Andromedæ.	9. 29. ♓	25. 40. S	2	

Tabulæ locorum Galliæ & Europæ præcipuorum; Extractæ ex Tabulis Geographicis Illustrissimi Pagani.

Loco Galliæ.	Temp. H. M.	Latit. G. M.
mbianium *Amiens.*	0.42. A	49.54
ndegavi, *Angers.*	0.59. A	47.28
quæ sextiæ, *Aix.*	0.32. A	43.30
ttrebatum *Arras.*	0.41. A	50.26
urelia, *Orleans.*	0.48. A	47.54
jona.	1. 2. A	43.30
rdegala.	0.57. A	44.42
aletum, *Calais.*	0.44. A	50.58
iepa, *Diepe.*	0.49. A	50. 8
ivio, *Dijon.*	0.33. A	47.10
ancopolis.	0.33. A	45.45
ratianopolis.	0.30. A	45.12
emovisũ, *Limoges.*	0.51. A	45.30
assilla.	0.32. A	43.30
etis, *Mets.*	0.29. A	49.10
onspessulanus.	0.39. A	43.30
ugdunum, *Lyon.*	0.33. A	45.36
arbona.	0.43. A	43.14
annete, *Nantes.*	1. 3. A	47.12
anceum, *Nancy.*	0.29. A	48.50
ivernia, *Nevers.*	0.43. A	47. 0
risij.	0.45. A	48.50
ctaviũ, *Poictiers.*	0.57. A	46.38
hemi, *Reims.*	0.38. A	49. 8
othomagus *Roiseu.*	0.49. A	49.30
upella, *la Rochelle.*	1. 2. A	45.40
ntones, *Xainctes.*	0.57. A	45.20
holoza.	0.49. A	43.13
recæ, *Troyes.*	0.39. A	48. 2
uronum, *Tours.*	0.53. A	47.25
Loco extranea.		
nsterodamum.	0.31. A	52.25
ntuerpia.	0.33. A	51.14
yenio.	0.35. A	43.52
rcinona Hispaniæ.	0.45. A	41.30
silea Helvetiæ.	0.23. A	47.31
uxella, *Brabant.*	0.33. A	50.51
da Hungariæ.	0.26. S	47.20
rgos Hispaniæ.	1.13. A	42.30

Loco extranea.	Temp. H. M.	Latit. G. M.
Colonia ad Rhenum	0.11. A	50.[illegible]
Constantinopolis.	1.20. S	43. 0
Cracovia Poloniæ.	0.32. S	50. 5
Dantiscum Prussiæ.	0.30. S	54.23
Dresda Misniæ.	0. 2. S	51. 6
Edimburgum Scotiæ.	1. 3. A	55.56
Florentia.	0. 8. A	43.10
Francofurtũ ad Mœnũ	0.25. A	50.12
Geneva.	0.27. A	46.15
Genua.	0.17. A	44.27
Hafnia Daniæ.	0. 1. A	55.43
Haga Comitis.	0.32. A	52. 8
Hamburgum.	0.10. A	35.43
Heidelberga.	0.21. A	49.30
Huena.	0. 0.	55.55
Leodium Belgij.	0.29. A	50.36
Lipsia Misniæ.	0. 1. A	51.24
Lisbona.	1.37. A	38.54
Londinum Angliæ.	0.54. A	51.30
Madritum Castiliæ.	1.12. A	40.34
Moguntia.	0.24. A	50.10
Mediolanum.	0.15. A	45.25
Neapolis.	0. 7. S	42. 0
Noriberga.	0. 9. A	49.26
Oxonum Angliæ.	0.59. A	51.44
Pampeluna.	1. 1. A	42.55
Pahorinus Siciliæ.	0. 2. S	37.20
Praga.	0. 4. S	50. 6
Ratisbona.	0. 5. S	49. 2
Roma.	0. 6.	45.50
Sevilla.	1.22. A	37.40
Stockholmia Suetiæ.	0.28. A	59.12
Taurinum Italiæ.	0.22. A	44.30
Toletum Hispan.	1.13. A	39.54
Tubinga.	0.18. A	48.20
Vallis Oletana Castil.	1.17. A	41.52
Varsovia Poloniæ.	0.38. S	52.14
Venetiæ.	0. 3. A	44.57
Vesuntio.	0.29. A	47.14
Vienna Austriæ.	0.14. S	48.22

Tabula Declinat. Eclipticæ.

gr.	♈ ♎ G.M.	♉ ♏ G.M.	♊ ♐ G.M.
0	0. 0	11.30	20.12
1	0. 24	11.51	20.25
2	0. 48	12.12	20.37
3	1. 12	12.33	20.49
4	1. 36	12.53	21. 0
5	2. 0	13.13	21.11
6	2. 23	13.33	21.22
7	2. 47	13.53	21.32
8	3. 11	14.13	21.42
9	3. 35	14.32	21.51
10	3. 58	14.51	22. 0
11	4. 22	15.10	22. 9
12	4. 45	15.28	22.17
13	5. 9	15.47	22.25
14	5. 32	16. 5	22.32
15	5. 55	16.23	22.39
16	6. 19	16.40	22.46
17	6. 42	16.57	22.52
18	7. 5	17.14	22.57
19	7. 28	17.31	23. 3
20	7. 50	17.47	23. 7
21	8. 13	18. 3	23.12
22	8. 35	18.19	23.15
23	8. 58	18.34	23.19
24	9. 20	18.49	23.22
25	9. 43	19. 4	23.24
26	10. 4	19.18	23.26
27	10.26	19.32	23.28
28	10.47	19.46	23.29
29	11. 9	19.59	23.30
30	11.30	20.12	23 30
	♓ ♏	♒ ♌	♑ ♋

V S V S.

Pro signis in fronte, sume gradum in latere sinistro: Et pro signis in calce, sume gradum in latere dextro: Nam area communis dabit declinationem ipsius gradus: Cui si minuta adhæreant, pro his sumenda erit pars proportionalis; ut moris est in Tabulis Astronomicis.

Tab. Angulorum Eclipt. cum Merid.

♈ ♎ G.M.	♉ ♏ G.M.	♊ ♐ G.M.	gr.
66.30	69.22	77.44	30
66.30	69.33	78. 6	29
66.31	69.45	78.28	28
66.32	69.57	78.50	27
66.33	70.10	79.13	26
66.35	70.23	79.35	25
66.37	70.37	79.58	24
66.40	70.51	80.21	23
66.42	71. 5	80.44	22
66.46	71.20	81. 8	21
66.49	71.35	81.32	20
66.53	71.50	81.56	19
66.57	72. 6	82.20	18
67. 2	72.22	82.45	17
67. 6	72.38	83.10	16
67.13	72.55	83.35	15
67.19	73.12	84. 0	14
67.26	73.29	84.25	13
67.33	73.47	84.50	12
67.40	74. 5	85.15	11
67.47	74.23	85.40	10
67.55	74.42	86. 6	9
68. 3	75. 1	86.32	8
68.11	75.20	86.58	7
68.20	75.40	87.24	6
68.30	76. 0	87.50	5
68.40	76.20	88.16	4
68.50	76.41	88.42	3
69. 0	77. 2	89. 8	2
69.11	77.23	89.34	1
69.22	77.44	90. 0	0
♓ ♏	♒ ♌	♑ ♋	gr.

V S V S.

Angulus, cujuslibet gradus Eclipt cũ Meridiano, invenitur eodem pro modo, atque declinatio. Et intelligen est angulus ex parte Orientis; qui re est in principio ♋ & ♑; & minor re à principio ♋ usque ad principiũ ♑ jor autem recto, in residuo circuli: bula autem tantùm intelligitur de re minore; quo dato, datur ejus ad se circulum reliquus.

THE USE OF THE RUDOLPHINE TABLES.

Things necessary to be known, in order to the Use of these Tables.

I. THese Tables are Calculated, and Reduced according to the Christian *Epocha*, taking their beginning from the Birth of *Christ*; who, according to Vulgar Computation, was Born *December* the 24*th.* at 12 hours afternoon in the 45*th.* *Julian* Year; and the *Epocha* here in these Tables observed agrees to the Noon of the first Day of *January* of the 46*th.* *Julian* Year. But the Year wherein our Saviour *Christ* was Born, is supposed to be *Bissextile*, or Leap-year; then the 4*th.* Year from that by an unequal Progression towards the Creation of the World must be Leap-year, as 5. 9. 13. 17. &c. But after Christ each Leap-year is counted by an Æqual Addition of 4. as 4. 8. 12. 16. &c. Therefore by dividing the Year of our Lord by 4. if nothing remains, the Year propounded is *Bissextile*; if any thing remains it shews the Number of Years from *Bissextile*, as if 1. 2. or 3. remain, it shews the Year to be the first, second, or third Year from *Bissextile*: But for Years before Christ, take one from the Number of Years, and divide the remainder by 4. and it will appear, as before.

II. Furthermore, in these Tables, the Years from *Christ* to 1600, are according to the *Julian* Computation; and each Year begins the first day of *January*, at the Noon of the same Day; and likewise every *Month* begins at the Noon of the first Day of the same *Month*, and every Day at the Noon of the same Day; therefore, for that cause, the Years, Months, and Days here may be understood to be *compleat*. For Example,

The 20*th*. Year ends at the Noon of the first Day of *January* of the 21*st*. Year; and the Month of *January* ends at the Noon of the first Day of *February*, and the 20*th*. Day ends at the Noon of the 21*st*. Day. Wherefore if by these *Tables* the Motions of the *Planets* were required for the 21*st*. of *January* at 6 hours afternoon, the Motion of the *Planets* must be Collected for the 20*th*. Day, and 6 Hours, and so for other Days; except only in the *Bissextile* Year, after the Addition of the Day for that Leap-year, that is 29 Days for *February*, the rest of that Year you must work as for the Day current, and not the Day foregoing, as before.

III. But it is to be noted, that in the Year, 1582. after Christ, *Pope Gregory* the thirteenth undertook to reform the *Julian Calender*, as erring in the Feast of *Easter*; and then put the *Gregorian Calender* in use, which in *Rome* began in the Year, 1582. the fifth of *October* according to the *Julian Account*, and the 15*th*. according to the *Gregorian Calender*. And this Computation was received in *France* in the same Year, 1582. the tenth of *December*, which by the *Julian Account* is accounted the 20*th*. of *December*; and in other places it has been sooner, or later in use, according to the pleasure of the Governours of these Places.

And therefore it is necessary to know what day the *Gregorian Account* came first into Compute in the Places for which you would Calculate, that you may not err in the changing of the *Calenders*. As also in days noted for some

ſome remarkable, particular events, about the time of the changing of the *Calender*, as before, 'tis fit to know according to what *Calender* whoſe days are accounted if the *Planets* places are required for ſuch a time, leaſt the Inhabitants, not yet weaned from their Antient Reckoning, ſhould reject the New Account.

IV. Theſe things being known, it is plain, that in *Rome* and in *France*, the Year was cut off by ten dayes; and the laſt day of *December*, by that Account, was but the 21*ſt*. of *December* by the *Julian Account*; but the Years following, 1583. 1584. 1585. &c. are whole; beginning at the Noon of *January*, at which ends the Years, 1582. as before ſhewed; ſo that to that time the motions and places of the *Planets* are the ſame, yet a different numbering of the days. But in other places it will be fit to inquire, what was the alteration of the *Julian Account*, and how?

Now foraſmuch as many frequently uſe both *Julian* and *Gregorian Accounts*, I have therefore for the Year, 1600. put two *Epocha's*, one for the *Julian*, and one for the *Gregorian Account*, that theſe Tables may be ſerviceable to both; but after the Year, 1600. the Year, 1700. is for the *Gregorian Reckoning*, if need be.

VI. Theſe *Tables* therefore to the Year, 1600. are according to the *Julian Computation*, without any alteration; but if any would uſe them to the *Gregorian Account*, he muſt from the Year, 1582. incluſive to the Year, 1600. excluſive, take 10 dayes from each Year; that is, the motion of 10 dayes for the Longitude *Apogæon*, or *Aphelion*, and *Node* of each *Planet*, except the *Node* of the *Moon*, for which you muſt work the contrary; but in the Year, 1600. you may uſe the *Gregorian Account* without Addition, or Subſtraction, as is before in the *Julian* Years; and theſe things being premiſed, and underſtood, we proceed to the Rules of Calculation.

Problem, I.

To Correct the Time given for the obtaining the true places of the Planets *by these* Tables.

THE Time usually given is according to the Horary Reckoning in use; but requires a three-fold Correction, if the *Planets* places are required to be *Calculated* to any other *Meridian* than that to which these Tables are Computed.

The first Correction is of the Common Time, into the *Astronomical* Time; for the usual Time given is variable, according to the several Reckonings of each Nation: for some begin their days from the rising of the Sun, and so Reckon 24 equal hours to the rising of the *Sun* the next day, which is the *Babylonian* way of Reckoning, to this day in use at *Norimberg*, and in other places in *Germany*. The *Italians* begin their day from the setting of the *Sun*; and from thence number 24 equal hours. The Old *Ægyptians, Chaldæans*, and *Jews* number 12 unequal, and *Planetary hours*, from the rising of the *Sun* to the setting, and as many from the setting to the rising of the *Sun* the day following; which to this day are called *Hora Judaica*. And in the *Roman Church* the hours for Divine Service are numbred in the same manner.

The *French* begin from twelve a Clock at Night, and from thence number 12 hours to the Noon following; and from thence 12 equal hours to the next Night.

But *Astronomers*, as is said before, begin to Reckon their Day from Noon; and from thence account 24 equal hours to the Noon of the next Day.

So that when your hour is given to which you would Calculate the motions of the *Planets*, you must first reduce the Time to the Hour *Astronomical*; as for Example,

ple, if in *France* the 26*th.* day of *January* be given, and 7 hours afternoon, the *Aſtronomical* Time will be 25 dayes compleat, and 7 hours; but if the time given be the 26*th.* day of *January* at ſeven a Clock before Noon, the *Aſtronomical* Time agreeable to this will be the 24*th.* day compleat, and 19 hours, P. M. as hath been ſhewed; and ſo for the reſt.

For the *Babylonian*, *Indian*, and *Jewiſh* Reckonings, you muſt firſt ſeek at what *Aſtronomical* hour the *Sun* riſes in the Region given; and ſeek alſo how many *Aſtronomical*, or equal hours agree to the *Jewiſh* hours counted from the riſing, or ſetting of the *Sun*; and then the converting of thoſe hours will be moſt *facile*.

The ſecond Correction is in reſpect of the differences of *Places*, in relation to their *Longitudes*, and *Latitudes*; for theſe Tables are *Calculated* to the *Meridian* of *Uraniburge*, to which *Meridian* the Dayes, Months, and Years, in theſe *Tables* are fitted from the beginning to the end.

If therefore the Planets motions are deſired from theſe *Tables* to be *Calculated* to any place Scituate more *Eaſt*, or *Weſt* than the *Meridian* to which theſe motions are made; the *Aſtronomical Time* muſt firſt be reduced to the *Time* agreeable to theſe Tables. for in that Moment given thoſe places that are more *Oriental* number more hours, or minutes; and thoſe places more *Occidental* number leſs hours, or minutes; and the hour of the day is leſs then in the place to which theſe motions are adapted.

For the rectifying this we muſt make uſe of the Table Intituled *Tabula Locorum, &c.* the uſe of which, is thus. Suppoſe the time of a Nativity be given in the Year 1653. *March* the 1*ſt.* hour 11, and 11 minutes afternoon; to which I would Calculate the motions of the Planets to the *Meridian* of *London*. Now according to the firſt Correction for converting this Time to *Aſtronomical*, I muſt take the Year, Month, and Day, *Compleat*; ſo that 1653. will be 1652. compleat; and *March* will be *February*

compleat, and the first Day of the Month will be the last Day of the foregoing Month, *February*, which is included in the Month; and therefore the motions for the Month must serve for both. Now the second Correction in respect of the difference of the *Meridian* of *London*, from the *Meridian* of *Uraniburge*; I enter the Table, and against *Londinum Angliæ*, in the Table, I find 0 d. 54 m. and *A.* against it; which shews that *London* lyes more *West* then *Uraniburge*, and that 54 min must be added to 11 hours, 11 min. before given, that it may make 12 h. 5 m. under the *Meridian* of *Uraniburge*, where more hours are to be numbred, for the reason aforesaid, then at *London*: But if the Letter *S.* had been found in the Table against the place sought for, as in places more *East* it happens then the Time agreeing to the Letters must have been Substracted from the Time given, because less hours would have been counted at *Uraniburge* then at the place so Scituate.

The third Correction is called the *Æquation* of Time by which the true, or apparent Time known by *Dyals*, or *Clocks*, is reduced to a mean, and equal Time proper to all *Calculation Tables*, and *Ephemerides*. To know which *Æquation*, enter the Table for that purpose, Intituled *Tabula vera Æquationis Temporis pro planetis omnibus*, and with the Sign the *Sun* is in (which you may know exactly enough by any Almanack,) enter at the top of the Table, and the Degree on the left-hand side *Column*; and in the Angle of meeting you will find the Number of Minutes which is the true *Æquation* of Time to be Added, or Substracted to, or from the apparent Time, as the Letter *A.* or *S.* in the top of the Table will direct you, and so you have the mean Time; but you must have respect to the changing of the Letters *A.* and *S.* in the middle of the Columns, and be directed by the Letter next, standing over the Minutes of *Æquation*. As for Example,

At the time before $16\frac{5}{8}$. *March* the first the *Sun* is in

in 22 d. of *Piſces*; and therefore I enter the Table with *Piſces* in the top, and 22 degrees in the ſide; and in the Angle of meeting I find 10 m. and the Letter *A.* over head, which ſhews that 10 m. is to be added to the former Time 12 h. 5 m. to reduce it to the *mean Time*, which is 12 h. 15 m. And ſo the uſual Time by this *three fold Correction* ſtands thus fit for *Calculation* by the Tables, *viz.* 1652 Years compleat, *February* compleat 12 h. and 15 m.

Problem, II.

To find the true place of the Sun, *and the Excentrique place of the reſt of the Planets.*

FOR the time already Corrected to *Calculate* the *Suns* true place, enter the *Tables* of the *Sun's* mean motions with the Years, Months, and Dayes, and Collect into one Sum the diſtance in Signs, Degrees, Minutes, and Seconds of the *Sun* from the *Æquinox* in the *Column* Intituled ☉ *ab Æquin.* and his *Apogæon* in its Column correſponding to your entrance in the Tables, by making a double, or tripple entrance for the Year, as occaſion requires, in this manner.

Years { 1600 } In the Table Intituled *Æpocha ſeu Radices* { 40 } In the Table Intituled { againſt the *Julian* { 12 } *Anni Expanſi.* } Mark.

February In the Table of Months.

Hours 12 } In the Table of Dayes, Hours, and Minutes,
m. 15 } Intituled *Solis ab Æquinoct.*

And the mean motions anſwering in the Tables will ſtand thus.

	☉ *ab Æquinoct.*				*Apogæon* ☉ *lij*			
	s.	d.	m.	s.	s.	d.	m.	s.
1600	09.	20.	55.	23	03.	05.	44.	08
40	00.	00.	18.	08	00.	00.	41.	05
12	00.	00.	05.	26	00.	00.	12.	20
February	01.	28.	09.	11	00	00.	00.	10
Hour 12.	00.	00.	29.	34				
m. 15.	00.	00.	00.	37	03.	06.	37.	43
Sol ab Æquinoct.	11.	19.	58.	19	*Suns Apoge.*			

(In this manner Collect the distances of each other Planet in his respective Tables from the *Æquinox*, and his *Aphelion* and ♄, and for the ☽ her *Apogæon*, and ♄ in her proper Tables also.)

Secondly From the mean Longitude Substract the *Apogæon*, or *Aphelion* of each Planet; and the residue will be the mean *Anomaly*.

Thirdly, With the mean *Anomaly* enter the Table of the *Planets Equation* with the Sign on the head, and the Degree descending on the left-hand, if the number thereof be under 6 Signs; but if it exceed 6 Signs, enter with the Sign at the bottom, and the Degree ascending on the right-hand; and in the Common Angle you have the *Equation* answering thereunto, only you must remember to take the proportional part for the Minutes, if need require; which *Æquation*, according to the Title in the Table, must be Added to, or Substracted from the *Sun's* mean Longitude; and so you have the true place of the *Sun*, and the *Excentrique* place of any other *Planet*. An Example of this followeth.

Sun's

	s.	d.	m.	s.
Sun's mean Longitude	11.	19.	58.	19
Apogæon Subſtract	03.	06.	37.	43
Reſt the mean *Anamoly*	08.	13.	20.	36
Æquation add	00.	01.	59.	18
The *Sun's* true place in the Ecliptique	11.	21.	57.	37

That is *Piſces* 21. 57. 37. for the *Sun's* true place in the *Ecliptique*.

And note that in the Table of the *Æquation* of the *Suns* Center, when you enter with the mean *Anomaly*, take out, at the ſame time, the *Logarithme* of the diſtance of the *Sun* from the Earth in its Column againſt the *Æquation*, which reſerve. And in like manner in finding the *Æquation* of the Center of *Saturn*, *Jupiter*, *Mars*, *Venus*, and *Mercury* in their Tables, take the *Logarithme* of their diſtance from the *Sun*, by making proportion, if occaſion require, which alſo reſerve.

Problem, III.

To find the true places of Saturn, Jupiter, Mars, Venus, *and* Mercury, *according to their Longitude, and Latitude.*

SUppoſe I were to Calculate the place of *Mars* to the Time aforeſaid.

Firſt, By the foregoing directions of the ſecond Problem, I find his *excentrique place*, the Logarithme of his diſtance from the *Sun*, and the place of ☊ in their proper Tables of ♂ his motions in this manner, and as in the following Example of ♂.

Locus

Locus	♂ ab Æq.	♂ Aphel.	♂ Nodus
Martis	s. gr. i. 11	s. gr. i. 11	s. gr. i. 11
1600	10.07. 14.47	04.28.59.54	01.16.41.32
40	03.06 40. 4	44.38	26.30
12	04.17.00,01	13.23	7.58
Feb.	01.00.55.13	10.	6
hor. 12	15.43		
m. 15	20	Aphel. ♂	☊ ♂
♂ ab Æq.	07.02.06. 8	04.29.58. 5	01.17.16. 6

Secondly, Subſtract the place of ♂, ☊. 01 s. 17 d. 16 m. 6″. from this *excentrique place* 06 s. 23 d. 08 m. 23″. and there will remain 05 s. 05 d. 52 m. 17″. for the Argument of Latitude; which if it be under 6 Signs, ſhews the Latitude of the *Planet* to be North; if more, the Latitude is South: and furthermore, if the Argument of Latitude be between 3 Signs and 9, the Latitude is *deſcending*; but if in the other *Semicircle*, it is *aſcending*.

Thirdly, Enter the Table Intituled *Tabulæ Inclinationis & ejuſque Reductionis ad Ecliptican*, and with the Sign of the Argument of Latitude in the head, or foot of the Table; and the degrees of it in the left-hand of the Table when you enter with the Sign in the top, but on the contrary ſide if you find the Sign of the Argument of Latitude in the bottom; and in the Angle of meeting you have the *Inclination* of ♂ to be reſerved, which in this Example is 45 m. 20″. and at the ſame time you have in the proper *Table* the Reduction which here is 0 m. 41″. and as the *Table* ſhews is to be added to the *Excentrique* place of ♂, and ſo there will remain 06 s. 23 d. 09 m. 04″. which is the *Excentrique* place of ♂ reduced to the *Ecliptique*.

Fourthly, From the *Excentrique* place reduced, Subſtract the true place of the *Sun*, or that from this, ſo that leſs than

than 6 Signs remains; and the remainder is the *Angle* of *Comutation*, which we call the *Angle* to the *Sun*, and which is here 4 s. 28 d. 48 m. 33″. The half of which 2 s. 14 d. 24 m. 16″. is to be reserved.

Fifthly, The *Logarithmetical* distance of *Mars* from the *Sun*, before reserved, is thus *curtated*. *As the Radius to that Logarithmetical distance, so the Sine of the Complement of the Planets greatest Inclination (placed in the foot of the Table of each Planets Inclination) to the curtated distance of each Planet; and in this Example of* Mars *is* 420310. As thus appears.

Logarithme of ♂ from ☉ ——	420332
Sine Comp. great Inclinat. ——	999978
	1)420310

Sixthly, Substract the *Logarithme* of the distance of the *Sun* from the Earth, reserved before, 399786. from this *curtated*, to wit, the lesser from the greater, in in the Calculation of each *Planet*; and the remainder will be the proportional *Logarithme* of their distance between themselves. Example.

Logarithme of the *Sun* from the Earth ——	399786
Substract from the *curtated* distance ——	420310
Proportional Logarithme ——	020524

To this proportional Logarithme add the Tangent of 6 degrees.

Tang. of 6 degrees ——	902162
Propore Logar. ——	020524
	9.22686

The Sum is the Tangent of 09 d. 34 m. 34″. Then take the Sum and difference of these Arches 6 d. & 9 d. 34 m.

34m. 34″. The Sum is 15 d. 34 m. 34″. The difference is 3 d. 34 m. 34″. Then say,

As the Sine of the Sum of the Arch 15 d. 34m. 34″ . 9.42897
To the Sine of the difference 3d. 34m. 34″ — 8.79500
So the Tang of half the Angle to the Sun before reserved 2 s. 14 d. 24 m. 16″. } — 10.55420 / — 19.34920

To the Tang. of another Arch 39 d. 46 m. — 9.92023

Which in the Calculation of the place of *Saturn*, *Jupiter*, and *Mars*, must be added; but in *Venus*, and *Mercury*, must be substracted from half the Angle to the *Sun* before reserved, and this makes the Angle to the *Earth*, which here in this Example, is thus.

	s.	d.	m.	″.
Half the Angle to the Sum —	02.	14.	24.	16.
Add the Tangent ———	1.	09.	46.	00.
Augle to the Earth ——	03.	24.	10.	16.

Then if before in gaining the Angle to the *Sun*, the place of the *Sun* were Substracted from the *Excentrique* place of the Planet, the Angle to the Earth must be Added to the true place of the *Sun*; but if on the contrary, the *Excentrique* place of the Planet were Substracted from the *Suns* place, the said Angle must be Substracted from the *Suns* true place; and so you have the *Planets* true place in the *Ecliptique*, as here.

	s.	d.	m.	″.
The *Suns* true place ——	11.	21.	57.	37
Angle to the Earth Subst. ——	3.	24.	10.	00
The true place of ♂, in ♏, and direct. —	7.	27.	47.	37

For the Latitude of Saturn, Jupiter, Mars, Venus, *and* Mercury.

This is gained by the following Proportion.

As

As the Sine of the Angle to the Sun.
To the Sine of the Angle to the Earth.
to the Tangent of the Inclination of the Planet before reserved.
To the Tangent of the Latitude.
Example in the place of Mars.

	s.	d.	m.	
Sine Angle to the Earth ——	3.	24.	10	996018
take the Complement to —		180 d.		
Tang. Inclinat. ♂ 45 m. 20 " ——				811696
Their Sum				18.07712
Substract the Sine of the Angle to ☉ 4 d. 28 m. 48" *viz.* Complement to 180 d. 31 d. 31 m. 27"				971829
Remains the Tang. of the Lat. 1 d. 19 m. ——				8.35883

Which by the Rule aforesaid is septentrional descending.

Note that if you take the Arithmetical Complement of the Sine to be Substracted, then Addition only performs the Work.

But if there be no Angle to the *Sun*, as it happens when the *Sun* is in Conjunction with *Venus*, or *Mercury*; or if it exceed 180 d. as when the *Sun* is in opposition to *Saturn*, *Jupiter*, or *Mars*, then rejecting the use of the *Logarithmes*. The *Secant* of the Complement of the *Inclination* is to be multiplied by the distance of the *Sun* from the Earth, and the Product divide by the distance of the *Sun* from the Planet; then for *Venus* and *Mercury*, add the *Tangent* of the Complement of *Inclination*; but for *Saturn*, *Jupiter*, and *Mars*, Substract the same from the *Quotient*; and the Sum or residue rejecting the Radius, gives the *Tangent* of the Latitude desired.

Whether Saturn, Jupiter, Mars, Venus, *or* Mercury. *be Direct, Retrograde, or Stationary.*

Seek the mean *Anomaly* of the Planet in the *Table* Intituled *Termini Stationum Martis* in the left-hand Column,

as

as the Table directs; and against it find the Angle to the *Sun* in the Column of the first, or second Station; which if equal to the Angle to the *Sun*, before found, the *Planet* is Stationary; if it be more, the *Planet* is *Direct*; if it be less the *Planet* is *Retrograde.*

An Example of the Calculation of Mars *his place together, in its proper order.*

	s. d. m. ″.		
♂ ab Æq.	07.02.06.08	420332	Log. ♂. a ☉
Aphel. Sub.	04.29.58.05	999978	♂ gr. Inclinat.
Anomal.	02. 3. 8. 3	1) 420310	Curtated diff.
Æquat. Sub.	8.57.45	399786	Log. ☉ a Earth
♂ Excentr.	06.23.08.23	02.05.24	Propor. Log.
♂ Subst.	01.17.16. 6	902162	Tang. 6 gr.
Arg. Latit.	05.05.52.17	922686	Tan. 9d. 34′. 34″
Reduction	add 41	15ᵐ. 34′. 34″	Sum Arks
Excent. red.	06.23.09.04	3d. 34m. 34ˢ	Difference
Suns place	11.21.57.37	8.79500	Sine 3ᵐ. 34′. 34″
Ang. to ☉ add	4.28.48.33	10.55420	Tang. 74.24.16.
½	2.14.24.16	19.34920	
Tang. add	1. 9.46. 0	9.42897	Sine 15. 34. 34.
Ang. to Earth	3.24 10.00	9.92023	Tang. 39.46.0.
Suns place	11.21.57.37		
♂ in Eclipt.	7.27.47.37	Latit. ♂ 1.19.	Sept. Descend.
That is	♏ 27.47.37.	as before.	

Here follows Examples of the other Planets, Calculated by the foregoing Tables.

Suppose

Suppose Saturns *place were required for the Year* 1634. February *the* 20th. *hor.* 18h. 22m. *being the rectified Time for* 17h. 15m. *at* London: *the* Suns *place by these Tables is* 11 s. 12 d. 36 m. 10″. *and his Logarithmetical distance from Earth* 399663. *I work thus.*

	♄ ab Æq.	Aphelion ♄	☌ ♄
Compleat. 1600.	06.28.26.39	08.25.57.36	03.20.59.59
20.	08.04.41.53	25.14	23.49
14.	05.21.16.18	17.39	16.40
Jan.	00.01.02.18	06	06
dies, 19.	3.01.11		
Hor. 18.	01.30		
m. 22	00.02	08.26.40.35	03.21.40.34

	s. d. m. s.		
♄ ab Æq.	08.26.06.51	500223	Log. ♄ a ☉
Subst. Aphel.	08.26.40.35	999958	♄ greatest Inclin.
Rest Anomal	11.29.26.16	500181	♄ curtat. dist.
Equat. add	3.13	399663	Log ☉ a Earth
Excen. place	08.26.10.04	100518	Propor. Log.
Locus ☌	03.21.40.34	902162	Tang. 6 Degr.
Argu. Latit.	05.04.29.30	10.02680	Tang. of 46°.46′
Reduction.	09.00.01.18	52 d. 46 m.	Sum Arches
Excent. red.	08.26.11.22	40 d. 46m.	Difference.
Suns place.	11.12.36.10	9.8148	Sine of 40. 46.
Angle to ☉	02 16.24.48	9.8959	Tang. 38.12.
½ of it	01.08.12.24	19.7107	
Tangent add	01.02.50.00	99010	Sin. 52. 46. Sub.
Angle to Ear.	02.11.02.24	98097	Tang. 32.50.
Suns place.	11.12.36 10		
♄s. true plac.	9.01.33.46	Cum Lat. 1.3	Septentrional.
That is	♍ 1. 33. 46		Descendr.

f

If the place of Jupiter *were desired to the aforesaid Time* 163$\frac{4}{5}$. February *the* 20th. *hor.* 18 m. 22 *the Time reduced to the Meridian of* London, Sol's *place*, 11 s. 12 d. 36 m. 10″. *and his Log.* 399663. *by these Tables, work thus.*

		♃ ab Æq.	Aphelion ♃	☊ ♃
Compleat	1600.	05.10.44.35	6.6.52.1	3.5.25.58
	20.	08. 7.15.41	15.44	1.10
	14.	02. 5. 2.28	11.00	49
	Jan.	2.34.37	4	
	d. 19.	1.34.46		♃ Nodus.
h. 18.		3.44	♃ Aphelion	3. 5. 27. 57
m. 22.		4	06.7.18.41	

	s. d. m. s.		
♃ ab Æq.	☌3.27.15.55	472395	Log. ♃ a ☉
Aphel. Sub.	6. 7.18.49	999989	Max. Inclinat.
Anomaly	9.19.57. 6	1) 472384	Curtat. dist.
Æquat. add	0. 5. 4.50	399663	Log. ☉a ♁
Excentr. pl.	4. 2.20.45	052721	Propor. Log
Subst. ☊	3. 5.27.57	902162	Tang. 6 gr.
Arg. Lat.	0.26.52.48	974883	Tang. 29.17.
Red. Sub.	23	35 d. 17 m.	Sum Arches.
Excen.ad.Ec	4. 2.20.22	23 d. 17 m.	Difference.
☉s.place	11.12.36.10	95969	Sine 23.17.
Ang.to☉ add	4.19.44.12	10.4357	Tang. 69. 52.
$\frac{1}{2}$ of it	2. 9.52. 6	20.0326	
Tang. add	2. 1.50. 0	97616	Sine 35. 17.
Ang.to the♁	4.11.42. 6	10.2710	Tang. 61. 50.
Suns place	11.12.36.10		
♃s. true pl.	3.24.18.16	0. gr. 41m.	Lat. Sept. Asc.
i. e.	♋.24.18.16	Retrograde.	℞

If the place of Venus *were desired to the same Time the Work stands thus.*

	♀ ab Æq.	♀ Aphelion	☊ ♀
1600.	11.22.23.11	10.01.14.22	2.13. 0.45
20.	6. 3.52.43	26. 1	.15.40
14.	9. 1.54.50	18.12	10.58
Jan.	1.19.46. 3	6	4
dies, 19.	1. 0.26.29		
Hor. 18.	1.12. 7	Aphelion	☊
m. 22.	1	10.01.58.41	2.13.27.27

	s. d. m. s.		
♀ ab Æq.	5.19.29.24	Logar. ♀	385778
Aphel. Sub.	10. 1.58.41	Sine greatest Inc.	999925
Anomalie	7.17.30.43	Curtated dist.	385703
Equat. add	35.33	Logarith. ☉	399663
Excen. place	5.20. 4.46	Propor. Log.	013960
☊ Sub.	2.13.27.27	Tang. 6 Gr.	902162
Ang. Latit.	3. 6.37.19	Tang. 8. 15.	9. 16122
Reduct. add	42	Sum Arches	14d. 15m.
Excent. red.	5.20.05.28	Difference.	2d. 15m.
Suns place	11.12.36.10	Sine 2d. 15m.	8.5939
Ang. add ☉	05.22.30.42	Tang. 86. 15.	11 1834
half of it	02.26.15.21		19.7773
Tang. Subst.	02.07.39. 0	Sine 14. 15.	93912
Ang. to Earth	00.18.36.21	Tang. 67. 39	10. 3861
☉ in Eclip.	11.12.36.10	is	
♀ true place	10.23.59.49	Latit. ♀ 8. 11	Sep. desc.
hoc est.	♒.23.59.49	Retrograde	℞

For the true place of Mercury *to the same Time, in Longitude, and Latitude, Work thus.*

	☿ ab Æq.	Aphelion ☿	☊ ☿
1600.	02. 6.47.19	00.12.49.48	01.12.25.22
20.	14.52.42	34.56.	28.25
14.	01.14.22. 7	24.27	19.54
Jan.	4. 6.15.50	9	7
dies, 19.	2.17.45.19		
Hor. 18.	3. 4. 9	Aphelion	☊
m. 22.	3.45	08.13.49.20	8.13.13.48

	s. d. m. s.		
☿ ab Æq.	11 03 47.11	Logar. ☿	362080
Aphel. Sub.	8.13.49.20	Greatest Inclinat	999684
Anomalie	2.19.57.51	Curtat. dist.	1) 361764
Æquar. Sub.	22. 6. 4	Logar. ☉	399663
☿ Excen. pla.	10.11.41. 7	Propor. Log.	037899
☊ Sub.	1.13.13.48	Tang. 6 Gr.	902162
Arg. Lat.	8.28.27.19	Tang. 14. 7.	940061
Reduct. Sub.	39	Sum 20d. 7m.	
Excent. red.	10.11.40.28	Differ. 8.	Gr. 7 min.
Sun's place	11.12.36.10	Sine 8d. 7m.	914980
Ang. add ☉	1. 1.55.42	Tang. 15. 58.	945654
half of it	0.15.57.51		18.60634
Tang. Subst.	0. 6.42. 0	Sine 20. 7.	9.53647
Ang. add ☊	0. 9.15.51	Tang. 6. 42.	9.06987
☉s. place	11.12 36.10	I	
Locus ☿	11. 3.20.19	Latit. ☿ 3d. 6m.	merid. des
That is	♓ 3.20.19		

Prob

Problem, V.

To Calculate the true Longitude, and Latitude of the Moon.

First, Find the *Excentrique* place of *Luna* as in other Planets, and this we call the feigned, or supposed place of the *Moon*; and for Example, thus: Suppose the time given, for which the *Moon's* place is desired, be the former Time, 165$\frac{3}{4}$. *March* 1. which reduced, as before, 12 h. 15 m. Post Meridiem.

Locus.	☽ ab Æq.	☽ Apogæon	☽ Nodus ☊
1600.	20.20.12.45	07.19.42.45.	09.11.50.24
40.	8.27. 7.32	6. 7.41.42	1.23.40.27
12.	5. 2. 8.16	4. 8.18.30	7.22. 6. 8
Feb.	1.27.24.26	6.34.23	3. 7.28
Hor. 12.	6.35.18	03.21	1.35
m. 15.	8.14	Apogæon, 4.	☊ 2
☽ ab Æq.	04.23.36.31	6 12.20.45	9.18.55.40
Apogæ Sub.	6.12.20.45		
Anomalia	19.11.15.46		
Æquat. add	3.37.27		
Æctus locus	04.27.13.58	The ☽s. feigned	place,

Secondly, From the feigned place of the *Moon* Substract the true place of the *Sun*, and the residue is the distance of the *Moon* from the *Sun*.

Likewise from the *Suns* true place Substract the *Moon's Apogæon*, the remainder is the distance of the *Sun* from the *Moon's Apogæon*, which if it be less than six Signs, with

each distance enter the *Table* Intituled *Tabula Æquationis Luminis composita*, as the Head, and Side of the Table directs; but if this distance be more than six Signs, Substract six Signs from it, as also six Signs from the other distance of the *Moon*'s feigned place from the *Sun*; and if Substraction cannot be made, add six Signs to it.

Thirdly, From these distances, changed, or not, by the foregoing directions in the above mentioned *Table*, you may easily find the Æquation in the Angle of meeting; and according to the Title neer the Margent in the Table, must be Added, or Substracted to, or from the *Moon*'s feigned place above found; and so you have the *Moon*'s place in her Orb.

But if the black Line, marked in the Table, be intercepted between the Angle of meeting, and the Margent in which the distance of the *Moon* from the *Sun* is found, then the distance of the *Sun* from the *Moon*'s *Apogæon* must be sought in the Foot, and the distance of the *Moon* from the *Sun* in the further right, or left Margent; for those from which entrance is made in the bottom of the Table, and the Common Angle gives the *Æquation*, as the Title directs to be Added, or Substracted to, or from the feigned place of *Luna*; and by this means you have the *Moon*'s true place in her Orb.

And this will more plainly appear by this Example of the Time before given.

	s.	d.	m.	s.
Lunæ locus fictus	04.	27.	13.	58
Locus Solis ante	11.	21.	57.	37
Distance ☽ ☌ ☉	5.	5.	16.	21
Locus ☉	11.	21.	57.	37
Apogæon ☽ Sub.	6.	12.	20.	45
Dist. ☉ ab Apog. ☽	5.	9.	36.	52
Æquatio luminis add			29.	49
Locus ☽ in Orbita	04.	27.	43.	47
Reductio		5.	1.	11.
Locus ☽ in Ecliptica	♌.	27.	48.	48

And this last Reduction is thus found in gaining the Latitude of the *Moon*.

First, Collect, as before, the Motion to the Time given of the *Moon*'s Node, or *Dragons Head*, which Subtract from the *Sun* agreeing to the Æpocha, 1600. what remains, is the mean Motion of the *Moon*'s Node to the Time given.

Secondly, Subtract this mean place of the Node, or *Dragons Head* as well from the true place of the *Moon* in her Orbite as from the true place of the *Sun*; and so you have the distance of the *Sun*, and *Moon* from the mean place of the *Dragons Head*, or the North Node of the *Moon*.

Thirdly, In the Table of *Æquation* of the *Dragons Head* Intituled *Tabula, Latitudinis Simplicis, Reductionis & Æquationis* ☊; take out the *Æquation* of the *Dragons Head* by finding the Signs of the distance of the *Sun* from the mean place of the *Dragons Head* in the Head, or Foot of the Table, and the Degrees in the right, or left Column; and in the Angle of meeting you have the *Æquation*, according to the Title, to be added, or subtracted

to,

to, or from the mean place of the *Dragons Head*, and ſo you have its true place; and contrary to the former Title this *Æquation* muſt be added, or ſubſtracted to, or from the diſtance of the *Moon* from the mean place of the *Dragons Head*; and ſo you have the *Moon*'s true diſtance from it, or the *Argument* of *Latitude*.

Fourthly, In the Table Intituled *Latitudo ſimplex* with the true diſtance of *Luna* from the *Dragons Head*, with the Signs in the Head, or Foot of the Table, and the Degrees in the left, or right ſide, in the Angle of meeting you have the ſimple Latitude, which if the diſtance be leſs than ſix Signs, the Latitude is North; if more, the contrary. In like manner find the Reduction in the next Table under the Title *Reductio*, which, according to the directions in the Table, you muſt add, or ſubſtract to, or from the *Moon*'s true place in her Orb; and the Product, or Remainder, is the true place of *Luna* in the *Ecliptick*.

Fifthly, In the laſt Table Intituled *Tabula Kepleri exhibens portionem Latitudinis Lunæ menſtruam*. Find in the Head, or Foot of the Table the diſtance of *Sol* from the *Dragons Head*; and in the left, or right ſide, find the diſtance of the true place of the *Moon* from the *Sun*'s place; and in the *Area* of meeting you have the portion of Latitude, which is North, or South as the Head, or Foot of the Table ſhews; as you find the *Sun*'s diſtance from the Node, or *Dragons Head*; and as the ſide expreſſes in which you find the diſtance of *Luna* from the *Sun*.

Sixthly, If this portion of Latitude, and the ſimple Latitude before found be of the ſame denomination, *i. e.* both North, or both South add them together; if of divers denominations, ſubſtract the leſſer from the greater, taking the denomination of the greater, it will be the true Latitude deſired.

Exam-

865

Example.

	s.	d.	m.	s.
Æpocha ☊	09.	11.	50.	24
Motus ☊	09.	18.	55.	40
Motus medius ☊	11.	22.	54.	44
☽ in Orbitâ	4.	27.	43.	47
Dist. ☽ â ☊ med.	5.	4.	49.	3
Motus med. ☊	11.	22.	54.	44
Locus ☉is	11.	21.	57.	37
Dist. ☉ a ☊	11.	29.	2.	53
Æquat. ☌ Sub.			3.	18
Locus ☊	♓	22.	51.	26
Dist. ☽ a ☊	5.	4.	49.	3
Æquatione add			3.	18
Argumentum Latitude	5.	04.	52.	21
Latitudo simplex sep.		2.	7.	18.
Reductiõn add	0.	0.	5.	1
Locus ☽ in Ecliptica	♌	27.	48.	48
Distantia ☽ a ☉	06.	24.	8.	49
Portio Latitude sep.			8.	5
Latitude simplex sep.		2.	7.	18
Vera Latitudo ☽ sep.	descend.	2.	15.	23

And thus by these Tables, and this Method you have all the Planets places, not differing in the least from those excellent Tables of *Kepler*.

FINIS.

	s.	d.	m.	s.
Ap. cha. [illegible]	09.	11.	50.	[illegible]
Motus [illegible]	09.	18.	55.	40
Motus medius [illegible]	11.	22.	54.	[illegible]
[illegible] in Orbi [illegible]	4	27.	[illegible]	[illegible]
Diff. [illegible] med.	5.	4.	[illegible]	[illegible]
Motus med. [illegible]	11.	22.	54.	[illegible]
Locus [illegible]	11.	21.	57.	[illegible]
Diff. [illegible]	11.	29.	2.	55
Aequat. [illegible]			3.	18
Locus [illegible]		2.	51.	[illegible]
Diff. [illegible]	5.	4.	49.	[illegible]
Aequatio [illegible]			3.	18
Augmentum Latitudo	5.	04.	52.	31
Latitudo simplex [illegible]		2.	7.	18
Reductio [illegible]	0.	0.	[illegible]	[illegible]
Locus [illegible] in Ecliptica	31.	[illegible]	[illegible]	[illegible]
Distantia [illegible]	65.	7.	6.	[illegible]
Portio Latitudo [illegible]				[illegible]
Latitudo simplex [illegible]				[illegible]
Vera Latitudo [illegible]	Velocid.	2.	15.	[illegible]

And thus by these Tables, and the [illegible] the Planets place, not differing in the least [illegible] Tables of Ayers.

FINIS.

On the Nativity Vide Page 465 & 576 of this book

The estimated of birth was 12 March, at half past 6 o'Clock in the Morning. 16 $\frac{49}{50}$ Latitude 51.18 N. and he had a violent feaver at the age of 15 years & 5 months old - by which accident alone the Nativity is corrected. At this estimated time we find 22 of ♈ on the Ascend. ant. & 9 of ♉ culminate - ♂ is in 6.36 of ♈ just risen into the 12 House: the next point is, what direction must give a this feaver at 15 years & 6 months? - To work goes the man of art, and after he had jumbled the Arks & Semidiameters together, out steps reason with a Mathematical Problem at the heel of it, with which the man of art being perfectly inspired - "Now", says he "I have it", & I understand the true Philosophical of that Feaver; & I have corrected it with that exactness, that were Eucl. & Ptolmey here the one would chuck me under the chin, the other give me a bowl of Diapente, and say, well done Harry.

Bill - Son of Negro Jenney Born Aug.t 4.th 1810

Henney daughter of Negro Jenney Born Feb.y 24.th 1812